

Plumbing & Heating Supplies

CATALOG "D"

Bowman Supply & Mfg. Co.
Incorporated
PITTSBURGH, PA.



CATALOG "D"

**ILLUSTRATING AND DESCRIBING A COMPLETE
LINE OF PLUMBING AND HEATING SUPPLIES
GAS AND STEAM FITTERS SUPPLIES, WATER
SUPPLY SYSTEMS, AND LIGHTING PLANTS**



Established 1901

— — — — —
Bowman Supply & Mfg. Co., Inc.

Offices and Warehouse, 886-892 Progress St.

• PITTSBURGH, PA. •

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FOREWORD



IN presenting this catalog, it is our desire to list and illustrate only those designs and types that have received the unqualified approval of the buying public. Obsolete styles have been eliminated. The Bowman catalog will thus serve as a reliable index of the trend of the times as regards sanitary equipment, plumbing and heating supplies.

TERMS AND CONDITIONS

All list prices are subject to change without notice and quotations are made for immediate acceptance only and are subject to change without notice. All prices quoted are f. o. b. Pittsburgh, Pa., unless otherwise noted thereon. Sales subject to strikes, accidents or causes beyond our control.

RETURNED GOODS

We must decline to allow credit for goods returned without our permission. All merchandise returned for credit will be refused unless specific written authority from this office with shipping instructions for such return has been previously given by us.

Customers frequently order goods of the wrong size or kind or on account of changes in their plans they later find they have no use for the material they have ordered and desire therefore to return the goods to us for credit.

When goods are of that nature and size as to be stock goods with us, and authority for such return has been given, we will, upon arrival of the material in good condition with transportation charges *prepaid*, render credit for the full value of such material, less 10% which is to reimburse us for shipping, handling, drayage, inspection, etc.

If goods are shipped by us in error or are not as ordered, same may be returned at our expense and full credit will be rendered.

When goods are of a special nature and are not used, through no fault of ours, same cannot be returned unless by special permission and at such terms as we may make based on the value of the goods to us.

IMPORTANT: When writing about return of material, always furnish us with a list of the material to be returned and the date of our invoice covering same, and when permission for return has been granted and shipment made, send us immediately the original bill of lading covering the shipment. By giving us the above information we can determine more quickly whether or not we can accept return of material and will also insure proper credit being issued without delay.

BREAKAGE

All goods are carefully packed by skilled men. If any article is broken in transit, the condition of the package at its destination is no evidence of its original condition. When goods are shipped to a customer and have been receipted for by a Transportation Company, in good condition, the shipment immediately becomes the property of consignee; no allowance will be made for breakage or loss in transit, and consignee must look to Transportation Company for relief.

DAMAGES

We guarantee material sold, but only to the extent of supplying perfect goods for any found defective, and will not allow any claims for labor or consequential damages. The measure of damage shall be the price of any defective piece, such defective piece to be returned before credit will be given.

CLAIMS

All claims for deductions or shortages must be made within ten days from receipt of material.

PACKAGE AND CRATING CHARGES

We make the regular established charge for packages and crates and cannot permit any deduction of same from our invoices, nor the return of packages for credit. Cartage is charged at cost on everything we ship, regardless of point from which shipped or destination.



BATH ROOM DESIGN "A"



BATH ROOM DESIGN "B"

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MODERN ENAMELED BATH TUBS

MODERN Porcelain Enameled Built-in Bath Tubs are ideal, in that they embody every feature the most discriminating purchaser could desire. They are made complete in one piece, enameled all over, with slope end and sides and flat bottom, which gives them very roomy bathing space. They are made for building in right or left-hand corner, back wall and recess, are light in weight but massive in appearance, easily cleaned and we guarantee them to be exactly as represented. Due to the many different styles of tubs and fittings, the tub may be placed in any position desired in the bath room.



Plate D200

Porcelain enameled all over, one-piece bath for left-hand corner, with 3 3/4" rim and left-hand end outlet; fitted with combination shower and bath fixture, with 1/2" built-in mixing valve, shower with ball joint needle head and 1/2" built-in controlling valves with solid china handle, bath supply with top nozzle and 1/2" built-in controlling valves with solid china cross handles and china lever

handle on concealed waste. Curtain rod and duck curtain.

Plate D201

Same as D200, except for right-hand corner with right-hand end outlet.

Nominal sizes	4 1/2'	5'	5 1/2'	6'
Price complete as shown and described	\$	\$	\$	\$
Add for 3/4" valves				

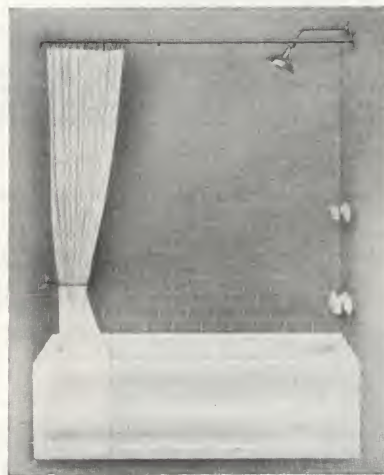


Plate D204

Porcelain enameled all over, one-piece bath for recess with 3 3/4" rim and right-hand end outlet; fitted with concealed top nozzle supply and waste fitting with solid china cross handles and 3/4" valves. Nickel-plated shower with bent arm, ball joint needle head, 1/2" built-in compression valves with solid

china cross handles. Curtain rod and duck curtain.

Plate D205

Same as D204, except with left-hand end outlet.

Nominal sizes	4 1/2'	5'	5 1/2'	6'
Price complete as shown and described	\$	\$	\$	\$



Plate D202

Porcelain enameled all over, one-piece bath for tiling-in at back wall only, with 3 3/4" rim and left-hand end outlet; fitted with concealed top nozzle supply and waste fitting, and shower, with 3/4" valves, anti-scalding mixer, switch valve and waste with solid china lever handles. Curtain rod and duck curtains.

Plate D203

Same as D202, except with right-hand end outlet.

Nominal sizes	5'	5 1/2'	6'
Price complete as shown and described	\$	\$	\$



Plate D206

Porcelain enameled all over, one-piece bath for left-hand corner with 3 3/4" rim and left-hand end outlet; fitted with concealed over rim supply and waste fitting with solid china cross handles and 3/4" valves. Nickel-plated shower with bent arm, ball joint needle head and 1/2" built-in mixing valve with china lever handle. Curtain rod and duck curtain.

Plate D207

Same as D206, except for right-hand corner with right-hand end outlet.

Nominal sizes	4 1/2'	5'	5 1/2'	6'
Price complete as shown and described	\$	\$	\$	\$

Note—No supplies furnished with bath fittings. No supplies or risers furnished with shower fittings.

MODERN ENAMELED BATH TUBS



Plate D208

Porcelain enameled all over, one-piece bath for right-hand corner with $\frac{3}{4}$ " rim and left-hand end outlet; fitted with nickel-plated exposed top nozzle supply and waste fitting, $\frac{3}{4}$ " supply pipes, nickel-plated compression valves with solid china cross handles and china knob on waste.

Plate D209

Same as D208, except for left-hand corner with right-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only				



Plate D210

Porcelain enameled all over, one-piece bath for recess, with $\frac{3}{4}$ " rim and left-hand end outlet; fitted with concealed over rim supply and waste fitting with solid china cross handles and $\frac{3}{4}$ " valves. *Fitting through end wall.

Plate D211

Same as D210, except with right-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only				

*Note—No supplies furnished with this fitting.



Plate D212

Porcelain enameled all over, one-piece bath for right-hand corner with $\frac{3}{4}$ " rim and right-hand end outlet; fitted with concealed top nozzle supply and waste fitting with solid china cross handles and $\frac{3}{4}$ " valves. *Fitting through back wall.

Plate D213

Same as D212, except for left-hand corner with left-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only				

*Note—No supplies furnished with this fitting.



Plate D214

Porcelain enameled all over, one-piece bath for recess with $\frac{3}{4}$ " rim and right-hand end outlet; fitted with concealed top nozzle supply and waste fittings with solid china cross handles and china lever handle on waste and $\frac{3}{4}$ " valves. *Fitting through back wall.

Plate D215

Same as D214, except with left-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only				

*Note—No supplies furnished with this fitting.



Plate D216

Porcelain enameled all over, one-piece bath for left-hand corner with $\frac{3}{4}$ " rim and left-hand end outlet; fitted with concealed top nozzle supply and waste fittings with solid china cross handles and china lever handle on waste and $\frac{3}{4}$ " valves. *Fitting through end wall.

Plate D217

Same as D216, except for right-hand corner with right-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only				

*Note—No supplies furnished with this fitting.

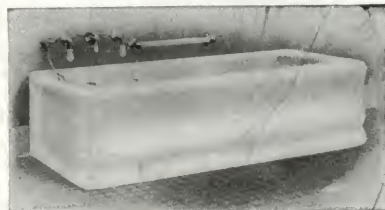


Plate D218

Porcelain enameled all over, one-piece bath for tiling-in at back wall only, with $\frac{3}{4}$ " rim and left-hand end outlet; fitted with concealed top nozzle supply and waste fittings with solid china lever handles and $\frac{3}{4}$ " valves. *Fitting through back wall near left-hand end.

Plate D219

Same as D218, except with right-hand end outlet. *Fitting through back wall near right-hand end.

Nominal sizes	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$
Price, tub only			

*Note—No supplies furnished with this fitting.

MODERN ENAMELED BATH TUBS

THE Modern Bath Tubs shown below are the original and first genuine one-piece pattern built-in baths, also the most simple and least expensive, as they can be furnished enameled inside, enameled all over or with special exterior finishes as listed on page 8. They contain all the features embodied in the tubs shown on the preceding pages. We recommend these baths most highly, as they are in every way more cleanly and sanitary than the old style bath, and when properly installed add greatly to the appearance of the room, besides effecting a saving in space occupied.

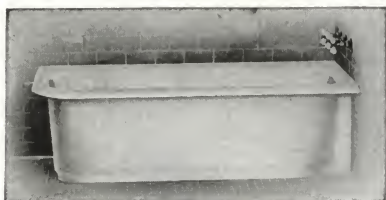


Plate D220

Porcelain enameled all over, one-piece bath for right-hand corner with 3" roll rim and right-hand end outlet; fitted with concealed top nozzle supply and waste fittings with solid china cross

handles and $\frac{1}{2}$ " valves. *Fitting through end wall.

Plate D221

Same as D220, except for left-hand corner with left-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described \$	\$	\$	\$
Price, tub only, enameled all over			
Price complete as shown, enameled inside only			
Price, tub only, enameled inside only			

*Note—No supplies furnished with this fitting.



Plate D222

Porcelain enameled all over, one-piece bath for right-hand corner with 3" roll rim and left-hand end outlet; fitted with nickel-plated exposed top nozzle supply and waste fitting, $\frac{1}{2}$ " supply pipes, nickel-plated compression valves

with china indexed handles and china indexed waste.

Plate D223

Same as D222, except for left-hand corner with right-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described \$	\$	\$	\$
Price, tub only, enameled all over			
Price complete as shown, enameled inside only			
Price, tub only, enameled inside only			

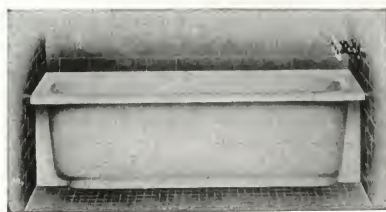


Plate D224

Porcelain enameled all over, one-piece bath for recess, with 3" roll rim and right-hand end outlet; fitted with concealed top nozzle supply and waste fitting with solid china cross

handles and $\frac{1}{2}$ " valves. *Fitting through end wall.

Plate D225

Same as D224, except with left-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described \$	\$	\$	\$
Price, tub only, enameled all over			
Price complete as shown, enameled inside only			
Price, tub only, enameled inside only			

*Note—No supplies furnished with this fitting.

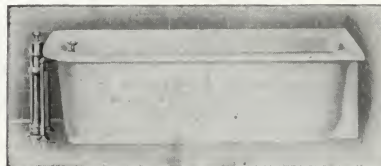


Plate D226

Porcelain enameled all over, one-piece bath for right-hand corner with 3" roll rim and left-hand end outlet; fitted with $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index

handles and standing waste with china index.

Plate D227

Same as D226, except for left-hand corner with right-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described \$	\$	\$	\$
Price, tub only, enameled all over			
Price complete as shown, enameled inside only			
Price, tub only, enameled inside only			



Plate D228

Porcelain enameled all over, one-piece bath for tilting-in back wall only, with 3" roll rim and right-hand end outlet; fitted with nickel-plated exposed top nozzle supply and waste fitting, $\frac{1}{2}$ " supply pipes, nickel-plated

compression valves with solid china cross handles and standing waste with china index.

Plate D229

Same as D228, except with left-hand end outlet.

Nominal size	5'
Price complete as shown and described \$	\$
Price, tub only, enameled all over	
Price complete as shown, enameled inside only	
Price, tub only, enameled inside only	

**Note—This tub can also be furnished with concealed top nozzle fitting as shown by D222. Price on application.



Plate D230

Porcelain enameled all over, one-piece bath for left-hand corner with 3" roll rim and right-hand end outlet; fitted with nickel-plated $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index handles, connected waste and overflow, chain and rubber stopper.

Plate D231

Same as D230, except for right-hand corner with left-hand end outlet.

Nominal sizes	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described \$	\$	\$	\$
Price, tub only, enameled all over			
Price complete as shown, enameled inside only			
Price, tub only, enameled inside only			

**Note—D220, D221, D224, D225 can be furnished with showers as shown D200, D202, D204, D206.

MODERN ENAMELED BATH TUBS

THE Modern Bath Tubs shown below have developed into the most staple patterns made, large quantities of which have been sold. They are regularly furnished with one coat of paint on outside but can also be furnished with special exterior finishes as listed on this page. These tubs have also become popular on account of the different lengths and widths in which they are made, the narrow patterns being selected where there is a limited space for installation. We vouch for the quality of these tubs as being equal of anything in their class and the least expensive bath tubs we recommend purchasing.



Plate D232

Porcelain Enameled Bath on claw feet with 3" roll rim; fitted with nickel-plated $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index handles, connected waste and overflow with chain and rubber stopper.

Nominal sizes	4'	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....	.....



Plate D233

Porcelain Enameled Bath on base with 3" roll rim; fitted with nickel-plated $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index handles and standing waste with solid china knob.

Nominal sizes	4'	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....	.....

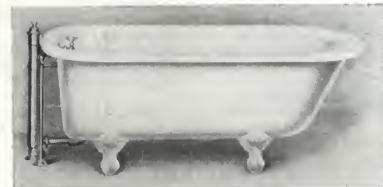


Plate D234

Porcelain Enameled Bath on claw feet with 3" roll rim; fitted with nickel-plated $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index handles and standing waste with china index.

Nominal sizes	4'	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '	6'
Price complete as shown and described	\$	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....	.....



Plate D235

Porcelain Enameled Bath on claw feet with 2 $\frac{1}{4}$ " roll rim; fitted with nickel-plated $\frac{1}{2}$ " supply pipes, nickel-plated compression double bath cock with four-ball china index handles and nickel-plated connected waste and overflow with chain and rubber stopper.

Nominal sizes	4'	4 $\frac{1}{2}$ '	5'	5 $\frac{1}{2}$ '
Price complete as shown and described	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....

Note—Fittings on all tubs shown above are interchangeable.

Exterior Decorations for Enameled Bath Tubs

	Baths on Feet	Baths on Base	Sitz Baths	Foot Baths and Receptors
No. 1 Zinc White	\$	\$	\$	\$
No. 2 Zinc White				
Albadent				
Gold Bands				
Grinding Exteriors				

MODERN SOLID PORCELAIN BATHS

THE Modern Solid Porcelain Bath Tubs shown on this page are made in one piece, for tilting at right or left-hand corner and recess. They contain all the features embodied in the Enameled Iron Baths and can be furnished in several styles other than those shown. Lack of space prevents us from showing the complete line, however; requests for catalogues and prices will receive our prompt attention.

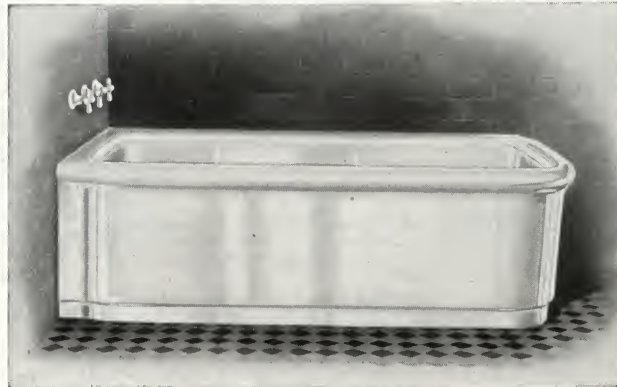


Plate D236

Light Weight Solid Porcelain One-Piece Bath for left-hand corner, with left-hand end outlet; fitted with concealed top nozzle supply and waste fitting with solid china cross handles and $\frac{3}{4}$ " valves. Fitting through end wall.

Plate D237

Same as Plate D236 except for right-hand corner with right-hand end outlet.

Nominal sizes	4½'	5'	5½'	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....

Note—No supplies furnished with this fitting.



Plate D238

Light Weight Solid Porcelain One-Piece Bath for left-hand corner with right-hand end outlet; fitted with nickel-plated exposed top nozzle supply and waste fitting with $\frac{3}{4}$ " supply pipes, nickel-plated compression valves with solid china cross handles and china knob waste.

Plate D239

Same as Plate D238 except for right-hand corner with left-hand end outlet.

Nominal sizes	4½'	5'	5½'	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....

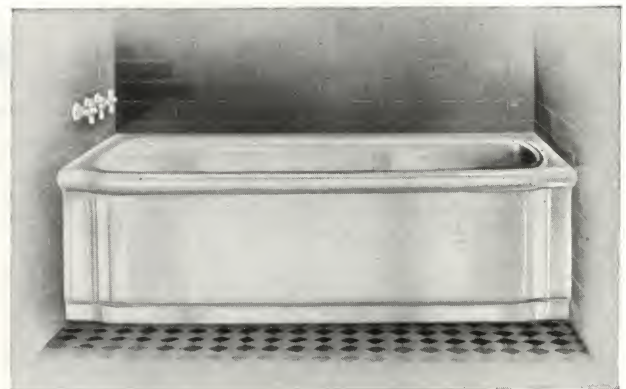


Plate D240

Light Weight Solid Porcelain One-Piece Bath for recess, with left-hand end outlet; fitted with concealed top nozzle supply and waste fitting with solid china cross handles and $\frac{3}{4}$ " valves. Fitting through end wall.

Plate D241

Same as Plate D240 except with right-hand end outlet.

Nominal sizes	4½'	5'	5½'	6'
Price complete as shown and described	\$	\$	\$	\$
Price, tub only .....	.....	.....	.....	.....

Note—No supplies furnished with this fitting.

These tubs can be furnished with showers as shown on page 5.

MODERN BATH TUB FITTINGS

MODERN Bath Fittings are correctly designed and manufactured from best grade materials, all are selected with the view of furnishing fittings of the very highest quality, and are guaranteed against any defects in manufacture.



Plate D242

Nickel-plated Compression Double Bath Cock with four-ball china index handles and nickel-plated ball offset couplings.

Price complete as shown and described, each\$



Plate D243

Nickel-plated Quick Compression Double Bath Cock with china lever handles and nickel-plated ball offset couplings.

Price complete as shown and described, each\$



Plate D244

Nickel-plated Fuller Double Bath Cock with jewel cup, nickel-plated lever handles and nickel-plated ball offset couplings.

Price complete as shown and described, each\$

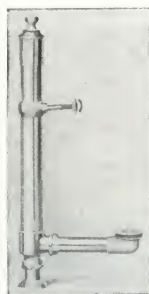


Plate D245

Nickel-plated China Indexed Bath Waste, fitting to be used outside rim of tubs on feet.

Price complete as shown and described, each\$



Plate D246

Nickel-plated China Knob Bath Waste, for use with legless or low pattern tubs, where waste arm is under floor.

Price complete as shown and described, each\$



Plate D247

Nickel-plated Connected Waste and Overflow with chain and rubber stopper.

Price complete as shown and described, each\$



Plate D248

Nickel-plated Connected Waste and Overflow with chain and rubber stopper, for legless or low pattern tubs where waste arm is under floor.

Price complete as shown and described, each \$



Plate D249

Nickel-plated Connected Waste and Overflow with chain and rubber stopper and bath trap, combined.

Price complete as shown and described, each \$



Plate D250

Nickel-plated, offset pattern, iron pipe size Bath Supply Pipes.

Size $\frac{3}{8}$ " $\frac{1}{2}$ "
Price, per pair \$ \$



Plate D251

Nickel-plated, straight pattern, iron pipe size Bath Supply Pipes.

Size $\frac{3}{8}$ " $\frac{1}{2}$ "
Price, per pair \$ \$

MODERN BATH TUB FITTINGS



Plate D252

Concealed Combination Over Rim Nozzle Supply and Waste Fitting with compression valves with solid china cross handles and connected waste and overflow.

Price complete as shown and described\$



Plate D254

Concealed Top Nozzle Supply and Waste Fitting with compression valves with solid china cross handles.

	1/2" Valves	3/4" Valves
Price complete as shown		
and described	\$	\$



Plate D253

Concealed Top Nozzle Supply and Waste Fitting with solid china cross handles and 3/4" valves. Nickel-plated shower with bent arm ball joint needle head, and 1/2" built-in compression valves with solid china cross handles.

	1/2" Valves	3/4" Valves
Price complete as shown		
and described	\$	\$

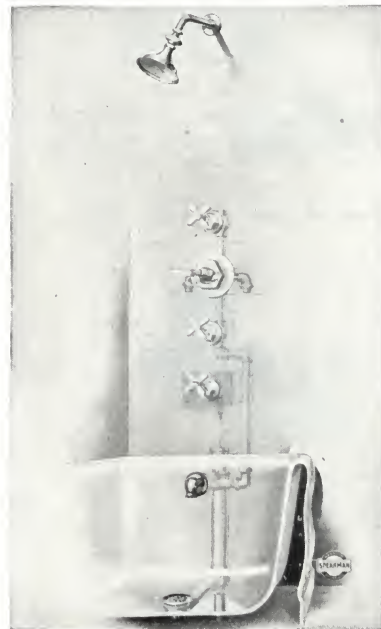


Plate D255

Concealed Combination Shower and Bath Fitting with built-in mixing valve, shower with bent arm ball joint needle head, and built-in controlling valves with solid china cross handles, bath supply with top nozzle and built-in controlling valves with solid china cross handles.

	1/2" Valves	3/4" Valves
Price complete as shown		
and described	\$	\$

MODERN BATH TUB FITTINGS

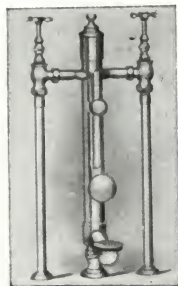


Plate D256

Nickel-plated Bottom Bell Supply and Waste Fitting, with compression valves with four-ball china index handles; china index waste and $\frac{1}{2}$ " supply pipes.

Price complete as shown and described\$

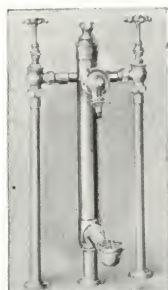


Plate D257

Nickel-plated Top Nozzle Supply and Waste Fitting, with compression valves with four-ball china index handles; china index waste and $\frac{1}{2}$ " supply pipes.

Price complete as shown and described\$



Plate D258

Cast Brass Drum Trap with nickel-plated cover.

Size, inches	4x8	4x9	4x10
Price, each	\$	\$	\$



Plate D259

Cast Iron Drum Trap with nickel-plated cover, tapped $1\frac{1}{4}$ " or $1\frac{1}{2}$ ".

Size, inches	4x5 $\frac{1}{2}$
Price, each	\$



Plate D260

Cast Iron Drum Trap with nickel-plated cover, tapped $1\frac{1}{4}$ ", $1\frac{1}{2}$ " or 2".

Size, inches	4x8 $\frac{1}{4}$	4x10
Price, each	\$	\$



Plate D261

Cast Iron Drum Trap with nickel-plated cover, tapped $1\frac{1}{4}$ ", $1\frac{1}{2}$ " or 2".

Size, inches	4x8 $\frac{1}{4}$	4x10
Price, each	\$	\$



Plate D262

Cast Iron Drum Trap with nickel-plated cover, tapped $1\frac{1}{4}$ ", $1\frac{1}{2}$ " or 2".

Size, inches	4x8 $\frac{1}{4}$	4x10
Price, each	\$	\$



Plate D263

Nickel-plated Bath Waste Connection.

Size, inches	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Price, each	\$	\$



Plate D264

Modern Bath Trap with nickel-plated cover, tapped for $1\frac{1}{2}$ " iron pipe.

Painted Galvanized Rough Brass			
Price, each	\$	\$	\$

MODERN SHOWER BATHS

THE average purchaser of plumbing fixtures gives little or no thought to the idea of including a shower in the bath room. Every bath room—excepting those where no more than the actual necessities are within reach of the owner—represents a shower sales opportunity. Modern Shower Baths and Shower Heads are guaranteed to be made of best grade brass heavily nickel-plated.



Plate D265

Nickel-plated Shower with $\frac{1}{2}$ " concealed type mixer $\frac{1}{2}$ " shower arm with 4" cast brass adjustable shower head. No piping. Furnished with china dial or N. P. engraved dial as desired.
Price complete as shown\$



Plate D266

Nickel-plated Shower with temperature valve and $\frac{1}{2}$ " supplies to wall; 5" cast brass needle shower head with removable face and ball joint.
Price complete as shown\$



Plate D267

Industrial Type Shower with $\frac{1}{2}$ " rough nickel-plated mixer and wall support; 4" cast brass, rough nickel-plated shower head, 30 deg. ell connection and pipe supports. No piping.
Price complete as shown\$



Plate D268

Nickel-plated Shower with 24" round curtain ring, white duck curtain with hold back, $\frac{1}{2}$ " supplies to floor with check valves and china indexed controlling valves, shampoo and sprinkler.
Price complete as shown\$



Plate D269

Nickel-plated Portable Shower with faucet attachment, rubber hose, 24" curtain ring and white duck curtain, with hook for holding back curtain.
Price complete as shown\$



Plate D270

Nickel-plated Temperature Valve complete with nickel-plated arms and unions with check valves.

No. 4 Price complete as shown \$
No. 6 Price complete as shown \$

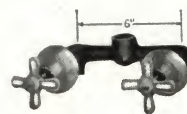


Plate D271

Rough Brass Concealed Shower Valve with four-arm solid china handles and china wall flange, inlet $\frac{1}{2}$ " I. P. female and $\frac{1}{2}$ " female for riser, with stuffing box. Measurements 6" center to center.

Price complete as shown\$

NICKEL-PLATED SHOWER HEADS



Plate D272

Nickel-plated Rain Shower Head

Size	Price, each
4 " for $\frac{3}{8}$ " I. P.	\$
5 " for $\frac{1}{2}$ " I. P.	\$
6 $\frac{1}{2}$ " for $\frac{1}{2}$ " I. P.	\$
8 " for $\frac{3}{4}$ " I. P.	\$
10 " for 1 " I. P.	\$



Plate D273

Nickel-plated Tubular Shower Head

Size	Price, each
7 " for $\frac{1}{2}$ " I. P.	\$
9 " for $\frac{1}{2}$ " I. P.	\$
10 $\frac{1}{2}$ " for $\frac{3}{4}$ " I. P.	\$



Plate D274

Nickel-plated Cast Brass Ball Joint Shower Head with Removable Face

Size	Price, each
4" for $\frac{1}{4}$ " I. P.	\$
5" for $\frac{1}{4}$ " I. P.	\$
6" for $\frac{1}{4}$ " I. P.	\$

MODERN ENAMELED SITZ BATHS, FOOT BATHS AND RECEPTORS

SHOWN below are the modern Foot Baths, Sitz Baths, etc. The same degree of quality is carried out in the manufacture of these fixtures as in the regular line of baths. The different styles enable one to select a fixture best suited to the construction of their bath room.

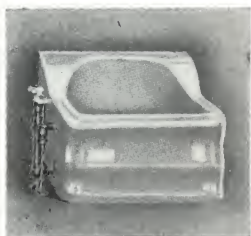


Plate D279

Porcelain Enameled All Over, One-Piece Sitz Bath to tile in back wall with 3" rim; fitted with nickel-plated bell supply and waste fitting, 1/2" supply pipes, compression valves with solid china cross handles, and solid china knob waste. Price complete as shown and described\$
Price, bath only

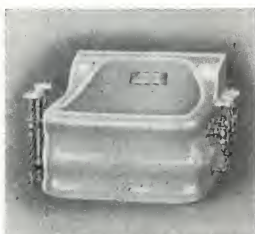


Plate D280

Porcelain Enameled All Over, One-Piece Sitz Bath to tile in back wall with 3" rim; fitted with nickel-plated five-valve bell supply and waste fitting, 1/2" supply pipes, compression valves with solid china cross handles, and solid china knob waste, spinal spray and bidet. Price complete as shown and described\$
Price, bath only



Plate D281

Porcelain Enameled Foot Bath on base with extension rim for fitting; fitted with nickel-plated bell supply and waste fitting, 1/2" supply pipes, compression valves with china indexed handles and china indexed waste. Bath furnished regularly with one coat of paint outside. Price complete as shown and described\$
Price, bath only



Plate D282

Porcelain Enameled Foot Bath on claw feet with extension rim for fitting; fitted with nickel-plated bell supply and waste fitting, 1/2" supply pipes, compression valves with china indexed handles and china indexed on wastes. Bath furnished regularly with one coat of paint outside.

Price complete as shown and described\$
Price, bath only



Plate D283

Porcelain Enameled Recess Receptor with 2" roll rim and apron to floor for setting in marble or tile wainscoted walls, with nickel-plated strainer.

Sizes
36x36 Price complete as shown\$
42x42 Price complete as shown



Plate D284

Porcelain Enameled Receptor with apron to floor, with nickel-plated strainer.

Size
38x38 Price complete as shown\$



Plate D285

Porcelain Enameled Shallow Pattern Recess Receptor, with nickel-plated strainer. This receptor is designed so that flange sets level with the floor, and can be furnished in batteries consisting of right and left-hand end sections and any number of center sections desired.

Sizes
36x36 Price complete as shown\$
42x42 Price complete as shown



Plate D286

Porcelain Enameled Receptor on claw feet, with nickel-plated strainer. Receptor furnished regularly with one coat of paint outside.

Sizes
36x36 Price complete as shown\$
42x42 Price complete as shown

MODERN ENAMELED LAVATORIES

IN the following pages are shown the different types of Modern Lavatories, covering a wide range, from the lowest priced articles to the highest grade manufactured. The materials are of cast iron porcelain enameled and vitreous china, and the designs are the latest and best productions of the most reliable manufacturers in the country. Cast iron porcelain enameled lavatories have been on the market so long and their good qualities are so well known that little need be said in their favor. They are perfectly suitable for the modest dwelling as well as the highest class work, and we do not hesitate to recommend them. Vitreous china lavatories are rapidly gaining in favor for high-grade installations as their classic lines, hard vitrified body and brilliant glaze make them most desirable and attractive in every way.



Plate D400

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled pedestal; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 20x24 22x27 22x30
Price complete as shown and described \$ \$
Price, lavatory only \$ \$



Plate D403

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled pedestal; fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with solid china cross handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 24x33
Price complete as shown and described \$
Price, lavatory only \$



Plate D401

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled pedestal; fitted with nickel-plated compression combination supply and waste fitting, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " bag trap.

Size 20x24 22x27 22x30
Price complete as shown and described \$ \$
Price, lavatory only \$ \$



Plate D404

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled pedestal; fitted with nickel-plated china knob standing waste, nickel-plated compression faucets with solid china cross handles, nickel-plated wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x27 22x33
Price complete as shown and described \$
Price, lavatory only \$



Plate D402

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled pedestal; fitted with nickel-plated china knob pop-up waste, nickel compression faucets with solid china handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 20x24 22x27 22x30
Price complete as shown and described \$ \$
Price, lavatory only \$ \$



Plate D405

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hangers; fitted with nickel-plated china knob standing waste, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x24 20x26 21x31
Price complete as shown and described \$ \$
Price, lavatory only \$ \$

MODERN ENAMELED LAVATORIES



Plate D406

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated china knob standing waste, nickel-plated compression faucets with solid china cross handles, nickel-plated wall supply pipes and nickel-plated 1 1/4" bag trap.

Size	18x21
Price complete as shown and described	\$
Price, lavatory only .....	.....



Plate D409

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated china knob pop-up waste through slab, nickel-plated compression faucets with four-ball china index handles, nickel-plated 3/8" wall supply pipes and nickel-plated 1 1/4" adjustable "P" trap.

Size	20x24	22x27
Price complete as shown and described	\$	\$
Price, lavatory only .....	.....	.....



Plate D407

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated 3/8" wall supply pipes and nickel-plated 1 1/4" adjustable "P" trap.

Size	18x21	17x19
Price complete as shown and described	\$	\$
Price, lavatory only .....	.....	.....



Plate D410

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated 3/8" wall supply pipes and nickel-plated 1 1/4" adjustable "P" trap.

Size	17x21	18x24	20x24	22x27
Price complete as shown and described	\$	\$	\$	\$
Price, lavatory only .....	.....	.....	.....	.....



Plate D408

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated 3/8" wall supply pipes and nickel-plated 1 1/4" adjustable "P" trap.

Size	16x14	17x19	18x21
Price complete as shown and described	\$	\$	\$
Price, lavatory only .....	.....	.....	.....



Plate D411

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated 3/8" wall supply pipes and nickel-plated 1 1/4" adjustable "P" trap.

Size	16"	19"
Price complete as shown and described	\$	\$
Price, lavatory only .....	.....	.....

MODERN ENAMELED LAVATORIES



Plate D412

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on porcelain enameled leg and concealed wall hanger; fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x24 20x24 22x27

Price complete as shown and described\$ \$ \$

Price, lavatory only, with leg \$ \$



Plate D413

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hangers; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x24 20x24 22x27

Price complete as shown and described\$ \$ \$

Price, lavatory only \$ \$

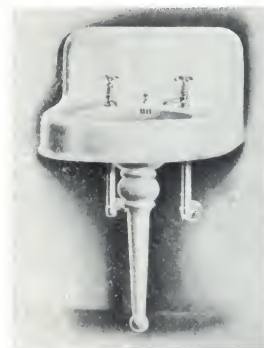


Plate D414

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hanger and porcelain enameled leg; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x21

Price complete as shown and described\$

Price, lavatory only, with leg \$



Plate D415

Porcelain Enameled Lavatory with rear outlet oval bowl, supported on concealed wall hangers; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 16" 19" 20"

Price complete as shown and described\$ \$ \$

Price, lavatory only \$ \$

MODERN VITREOUS CHINA LAVATORIES



Plate D416

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china leg and concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x20 20x24
 Price complete as shown and described \$
 Price, lavatory only, with leg \$



Plate D419

Vitreous China Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x20 20x24
 Price complete as shown and described \$
 Price, lavatory only \$



Plate D417

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china leg and concealed wall hanger; fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with solid china cross handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with solid china cross handle stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x20 20x24
 Price complete as shown and described \$
 Price, lavatory only, with leg \$



Plate D420

Vitreous China Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 18x20 20x24
 Price complete as shown and described \$
 Price, lavatory only \$



Plate D418

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china leg and concealed wall hangers; fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with solid china cross handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 19x19
 Price complete as shown and described \$
 Price, lavatory only, with leg \$

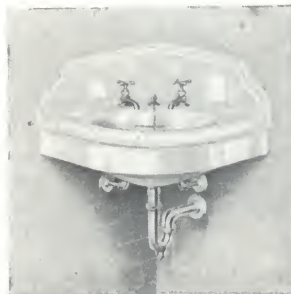


Plate D421

Vitreous China Lavatory with rear outlet oval bowl, supported on concealed wall hanger; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay, nickel-plated compression faucets with four-ball china index handles, nickel-plated $\frac{3}{8}$ " wall supply pipes and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size 19x19
 Price complete as shown and described \$
 Price, lavatory only \$

MODERN VITREOUS CHINA LAVATORIES



Plate D422

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china pedestal; fitted with nickel-plated Cornell compression pop-up waste and supply fitting, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size	20x24	22x27	24x30
Price complete as shown and described	\$	\$	\$
Price, lavatory only .....	.....	.....	.....



Plate D423

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china pedestal; fitted with nickel-plated Dartmouth combination supply and waste fitting, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " bag trap.

Size	20x24	22x27	24x30
Price complete as shown and described	\$	\$	\$
Price, lavatory only .....	.....	.....	.....



Plate D424

Vitreous China Lavatory with rear outlet oval bowl, supported on vitreous china pedestal; fitted with nickel-plated Yale compression combination supply and waste fitting, nickel-plated $\frac{3}{8}$ " wall supply pipes with china index stops and nickel-plated $1\frac{1}{4}$ " adjustable "P" trap.

Size	22x27	23x30
Price complete as shown and described	\$	\$
Price, lavatory only .....	.....	.....



Plate D425

Vitreous China Clinic Lavatory with oval bowl and depressed instrument tray on each side, supported on vitreous china legs and wall supports; fitted with nickel-plated goose-neck pattern faucet with removable rose spray, and knee action lever to control hot and cold water supply, nickel-plated waste outlet controlled by knee-action lever and nickel-plated $1\frac{1}{2}$ " bag trap.

Size	24x36
Price complete as shown and described	On application

MODERN VITREOUS CHINA LAVATORIES

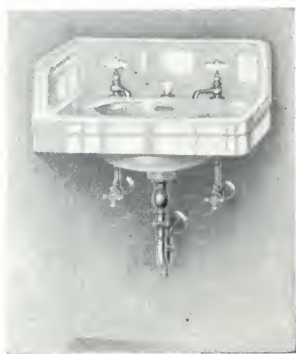


Plate D426

Vitreous China Lavatory with rear outlet oval bowl, supported on concealed wall hangers; fitted with nickel-plated china knob, pop-up waste, nickel-plated compression faucets with solid china cross handles, nickel-plated 3/8" wall supply pipes with china indexed stops and nickel-plated 1 1/4" adjustable "P" trap.

Size	18x20	20x24
Price complete as shown and described.\$	\$	\$
Price, lavatory only .....	.....	.....

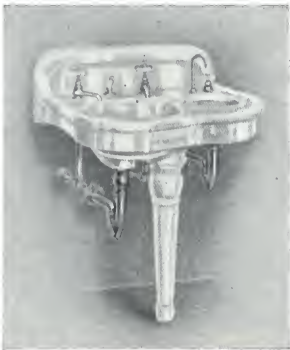


Plate D427

Vitreous China Lavatory with rear outlet oval bowl and round dental bowl with full splash rim, supported on vitreous china leg and concealed wall hanger. Large bowl fitted with nickel-plated china knob pop-up waste, nickel-plated compression faucets with solid china cross handles, nickel-plated 3/8" wall supply pipes with china index stops and nickel-plated 1 1/4" adjustable "P" trap. Dental bowl fitted with nickel-plated goose-neck, compression valve with solid china cross handles, nickel-plated flushing bell, nickel-plated 3/8" wall supply pipe with china index stop and nickel-plated 1 1/4" adjustable "P" trap.

Size	20x27
Price complete as shown and described	\$
Price, lavatory only .....	.....

MODERN VITREOUS CHINA MANICURE TABLES



Plate D428

Vitreous China Manicuring Table with center bowl, supported on vitreous china leg and wall supports; fitted with nickel-plated china knob pop-up waste, concealed supply to bowl, nickel-plated 3/8" wall supply pipes with loose key stops and solid china handle controlling valves and nickel-plated 1 1/4" bag trap.

Size	19x33
Price complete as shown and described	\$

Plate D429

Vitreous China Manicure Table with end bowl, supported on vitreous china leg and wall support. Fitted with nickel-plated combination supply and waste fittings with solid china cross handles, 3/8" nickel-plated wall supply pipes and 1 1/4" nickel-plated bag trap.

Size	18x32
Price complete as shown and described	\$

MODERN ENAMELED IRON AND VITREOUS CHINA SECTIONAL LAVATORIES

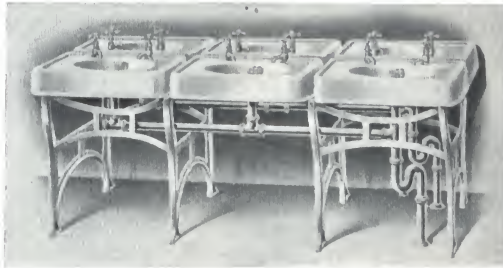


Plate D430

Porcelain Enameled Three Double Section Lavatory with rear outlet oval bowls, supported on painted brackets to floor; fitted with four-ball china index handle compression faucets.

Size	18x24	20x24	22x27
Price complete as shown and described	\$	\$	\$
Add, for each additional double section as described			
Price, lavatory only, with brackets			
Add, for each additional double section			

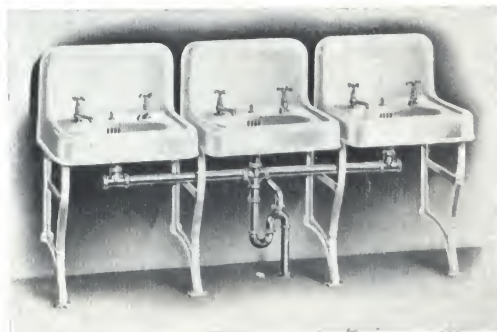


Plate D431

Porcelain Enameled Three Section Lavatory with rear outlet oval bowls, supported on painted brackets to floor; fitted with four-ball china index handle compression faucets.

Size	17x21	18x24	20x24	22x27
Price complete as shown and described	\$	\$	\$	\$
Add, for each additional section as described				
Price, lavatories only, with brackets				
Add, for each additional section				



Plate D432

Porcelain Enameled Lavatories in battery of three, with rear outlet oval bowls, each lavatory supported on concealed wall hanger; fitted with nickel-plated pop-up waste with solid china knob, nickel-plated faucets with china index handles, 3/8 inch wall supply pipes with china index compression stops and 1 1/4 inch nickel-plated adjustable "P" trap.

Size	18x21
Price complete as shown and described	\$
Add, for each additional section as described	
Price, lavatories only	
Add, for each additional section	

VITREOUS CHINA INDUSTRIAL LAVATORIES



Plate D433

Vitreous China Three Double Section Lavatory with rear outlet oval bowls, supported on painted brackets to floor; fitted with nickel-plated waste plug, rubber stopper, chain and chain stay and nickel-plated compression faucets with four-ball china indexed handles.

Dimensions

Size	Actual width	Actual length	Bowl
18x20	18"	20"	11 1/2 x 14 1/2"
Price complete as shown and described			\$
Add, for each additional double section as described			
Price, lavatories only, with brackets			
Add, for each additional double section			



Plate D434

Vitreous China Three Double Section Lavatory with rear outlet bowls and integral soap dishes, supported on painted brackets to floor; fitted with nickel-plated waste plug, rubber stopper, overflow strainer with chain and chain stay, nickel-plated compression double cocks with china indexed four-ball handles, and 3/4 inch brass hot and cold water supply pipes.

Dimensions

Size	Actual width	Actual length	Bowl
18x20	18"	20"	14 3/4 x 16 1/2"
Price complete as shown and described			\$
Add, for each additional double section as described			
Price, lavatories only, with brackets			
Add, for each additional double section			

MODERN LAVATORY FITTINGS

TO avoid the confusion of showing the many methods of trimming each different style lavatory and for the purpose of catalog compactness we have adopted the plan of showing each lavatory with its most popular method of trimming and, on the following pages, showing a complete line of popular lavatory trimmings. Modern lavatory trimmings are made of the best grade brass, heavily nickel-plated and are guaranteed against defect in manufacture.



Plate D435

Nickel-plated Compression Basin Cock with nickel-plated cross handles.

Price, per pair\$



Plate D436

Nickel-plated (small pattern) Compression Basin Cock with four-ball china index handles.

Price, per pair\$



Plate D437

Nickel-plated Compression Basin Cock with four-ball china index handles.

Price, per pair\$



Plate D438

Nickel-plated Compression Basin Cock with four-arm china cross handles and china index.

Price, per pair\$



Plate D439

Nickel-plated Compression Basin Cock with four-arm china tip handles and china index.

Price, per pair\$



Plate D440

Nickel-plated Compression Basin Cock with four-arm solid china cross handles indexed.

Price, per pair\$



Plate D441

Nickel-plated Self-closing Basin Cock with crown handle and china index.

Price, per pair\$



Plate D442

Nickel-plated Quick Compression Basin Cock with china lever handle and china index.

Price, per pair\$



Plate D443

Nickel-plated Ball-bearing Self-closing Basin Cock with four-ball handle and china index.

Price, per pair\$



Plate D444

Nickel-plated Doherty Self-closing Basin Cock.

Price, per pair\$



Plate D445

Nickel-plated Boston Self-closing Basin Cock.

Price, per pair\$



Plate D446

Nickel-plated Compression Pantry Cock with nickel-plated 'T' handle.

Price, each\$



Plate D447

Nickel-plated Compression Double Pantry Cock with four-ball china index handles.

Price, each\$



Plate D448

Nickel-plated Fuller Double Shampoo Cock with nickel-plated lever handles, rubber hose and sprinkler.

Price, each\$

MODERN LAVATORY FITTINGS



Plate D449

Combination Supply and Waste Fitting with solid china cross handles, china escutcheons, and $\frac{1}{4}$ " threaded tails on valves, raised nozzle $3\frac{1}{4}$ " long and standing waste with solid china knob.

Price complete as shown and described\$



Plate D453

Nickel-plated Underslab Lavatory Fitting with china index handles, $\frac{1}{4}$ " threaded tails on valves and metal escutcheons, with goose-neck discharge with cast brass spray regulator.

Price complete as shown and described\$



Plate D450

Combination Supply and Waste Fitting with solid china cross handles, china escutcheons, $\frac{1}{4}$ " threaded tails on valves, raised nozzle $3\frac{1}{4}$ " long and pop-up waste with solid china knob.

Price complete as shown and described\$

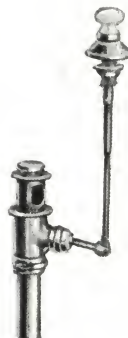


Plate D454

Nickel-plated Pop-up Basin Waste with solid china knob.

Price complete as shown and described\$

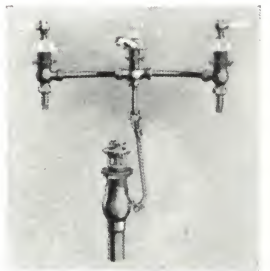


Plate D451

Combination Supply and Waste Fitting (quick compression) with solid china lever handles, china escutcheons, $\frac{1}{4}$ " threaded tails on valves, raised nozzle $3\frac{1}{4}$ " long, and pop-up waste with solid china knob.

Price complete as shown and described\$



Plate D455

Nickel-plated Standing Basin Waste with china index.

Price complete as shown and described\$



Plate D452

Nickel-plated Overslab Lavatory Fitting with china index handles, $\frac{1}{4}$ " threaded tails on valves, with goose-neck discharge with cast brass spray regulator.

Price complete as shown and described\$



Plate D456

Nickel-plated Goose-neck Nozzle with cast brass spray regulator and $\frac{1}{4}$ " threaded tail. For surgical lavatories.

Price complete as shown and described\$

MODERN LAVATORY FITTINGS



Plate D457

Nickel-plated "S" Trap with P. O. plug and coupling and waste to floor.

Size, inches 1 1/4 1 1/2 2

Price, each \$ \$ \$



Plate D458

Nickel-plated "S" Trap with P. O. plug and coupling, waste to floor and vent to wall.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D459

Nickel-plated "P" Trap with P. O. plug and coupling and waste to wall.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$

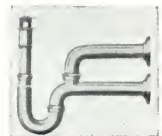


Plate D460

Nickel-plated "P" Trap with P. O. plug and coupling and waste and vent to wall.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D461

Nickel-plated "P" Trap with P. O. plug and coupling, with outlet threaded female for iron pipe.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D462

Nickel-plated Bag Trap with P. O. plug and coupling and waste to wall.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D463

Nickel-plated "P" Trap with P. O. plug and coupling and waste to wall, with elbow connection threaded female for iron pipe.

Size, inches 1 1/4 1 1/2 2
Price, each \$ \$ \$



Plate D464

Nickel-plated Anti-siphon Adjustable "S" Trap with waste to floor.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D465

Nickel-plated Anti-siphon Adjustable "P" Trap with waste to wall.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D466

McAuliffe Nickel-plated Anti-siphon "S" Trap with waste to floor.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D467

Nickel-plated Anti-siphon "S" Trap with waste to floor.

Size, inches 1 1/4 1 1/2 2
Price, each\$ \$ \$



Plate D468

Nickel-plated Lavatory Wall Supply Pipes.

Size, inches 3/8 1/2
Price, per pair\$ \$



Plate D469

Nickel-plated Lavatory Wall Supply Pipes with wheel handle compression stops.

Size, inches 3/8 1/2
Price, per pair\$ \$



Plate D470

Nickel-plated Lavatory Floor Supply Pipes.

Size, inches 3/8 1/2
Price, per pair.....\$ \$



Plate D471

Nickel-plated Lavatory Floor Supply Pipes with wheel handle compression stop.

Size, inches 3/8 1/2
Price, per pair \$ \$



Plate D472

Nickel-plated Lavatory Floor Supply Pipes with tapered end.

Size, inches..... 3/8 1/2
Price, per pair.....\$ \$



Plate D473

Nickel-plated Lavatory Wall Supply Pipes with tapered end.

Size, inches .. 3/8 1/2
Price, per pair\$ \$

MODERN LAVATORY FITTINGS



Plate D474

Rough Brass Vent Cross.

Size	1 1/4" Lead x 1 1/4" Iron x 1 1/4" Iron.	Price, each..\$
	1 1/2" Lead x 1 1/2" Iron x 1 1/4" Iron.	Price, each..
	1 1/2" Lead x 1 1/2" Iron x 1 1/2" Iron.	Price, each..



Plate D 475

Rough Brass Vent Cross.

Size	1 1/4" Lead x 1 1/4" Iron x 1 1/4" Slip.	Price, each \$
	1 1/2" Lead x 1 1/2" Iron x 1 1/4" Slip.	Price, each..
	1 1/2" Lead x 1 1/2" Iron x 1 1/2" Slip.	Price, each.



Plate D476

Rough Brass Vent Cross.

Size	1 1/4" Iron x 1 1/4" Iron x 1 1/4" Slip.	Price, each..\$
	1 1/2" Iron x 1 1/2" Iron x 1 1/4" Slip.	Price, each..
	1 1/2" Iron x 1 1/2" Iron x 1 1/2" Slip.	Price, each..



Plate D477

Rough Brass Vent Cross.

Size	1 1/2"x1 1/4"x1 1/4"x1 1/4" Iron Pipe.	Price, each...\$
	1 1/2"x1 1/4"x1 1/2"x1 1/2" Iron Pipe.	Price, each....
	1 1/2"x1 1/2"x1 1/4"x1 1/4" Iron Pipe.	Price, each....
	1 1/2"x1 1/2"x1 1/2"x1 1/2" Iron Pipe.	Price, each....



Plate D478

Rough Brass Vent Tee.

Size	1 1/4" Lead x 1 1/4" Iron x 1 1/4" Iron.	Price, each.\$
	1 1/2" Lead x 1 1/2" Iron x 1 1/4" Iron.	Price, each..
	1 1/2" Lead x 1 1/2" Iron x 1 1/2" Iron.	Price, each..



Plate D479

Rough Brass Vent Tee.

Size	1 1/4" Lead x 1 1/4" Iron x 1 1/4" Slip.	Price, each..\$
	1 1/2" Lead x 1 1/2" Iron x 1 1/4" Slip.	Price, each..
	1 1/2" Lead x 1 1/2" Iron x 1 1/2" Slip.	Price, each..



Plate D480

Rough Brass Vent Tee.

Size	1 1/4" Iron x 1 1/4" Iron x 1 1/4" Iron.	Price, each..\$
	1 1/4" Iron x 1 1/2" Iron x 1 1/4" Iron.	Price, each..
	1 1/2" Iron x 1 1/4" Iron x 1 1/2" Iron.	Price, each..
	1 1/2" Iron x 1 1/2" Iron x 1 1/2" Iron.	Price, each..



Plate D481

Rough Brass Vent Tee.

Size	1 1/4" Iron x 1 1/4" Iron x 1 1/4" Slip.	Price, each..\$
	1 1/2" Iron x 1 1/2" Iron x 1 1/4" Slip.	Price, each..
	1 1/2" Iron x 1 1/2" Iron x 1 1/2" Slip.	Price, each..



Plate D482

Rough Brass Solder Bushings.

Size, inches	1 1/4	1 1/2
Price, each	\$	\$

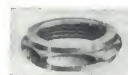


Plate D483

Nickel-plated Brass Slip Joint Nuts.

Size, inches	1 1/4	1 1/2
Price, each	\$	\$

MODERN LAVATORY FITTINGS



Plate D484

Nickel-plated Basin Plug and Coupling.

Size, inches 1 $\frac{1}{4}$ 1 $\frac{1}{2}$
 Price, each \$ \$



Plate D485

Nickel-plated Supply Pipe Connection with slip inlet at top to receive supply pipe and bottom threaded female for iron pipe.

Price, each \$



Plate D486

Nickel-plated Brass Safety Chain.

Price, per foot \$
 Price, per box of 12 yards \$



Plate D487

Nickel-plated Brass Safety Chains with split links.

	Basin	Bath	Wash Tray
Price, per dozen	\$	\$	\$



Plate D488

Nickel-plated Cock Hole Covers for lavatories or sinks.

Price, per dozen \$



Plate D489

Brass Basin Clamps.

Price, per dozen \$



Plate D490



Plate D491

Plate D490

Rubber Plugs for basin or bath.

Size, inches	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Price, per dozen	\$	\$	\$	\$

Plate D491

Rubber Suction Plugs for basin or bath.

Price, per dozen, lavatory size \$
 Price, per dozen, bath size \$



Plate D492



Plate D493

Plate D492

Rubber Bibb Washers.

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, per 100	\$	\$	\$	\$	\$

Plate D493

Fibre Bibb Washers.

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, per 100	\$	\$	\$	\$	\$



Plate D494



Plate D495

Plate D494

Rubber Top Washers.

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, per 100	\$	\$	\$	\$	\$

Plate D495

Rubber Basin Gaskets.

Price, per dozen \$



Plate D496

Rubber Fuller Balls.

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, per 100	\$	\$	\$	\$	\$



Plate D497

Assorted Brass Bibb Screws.

Price, per box \$

MODERN DRINKING FOUNTAINS

THE demands of modern sanitary science have decreed that the common drinking cup with its foulness and disease-breeding tendencies must be abolished, and its use is wisely prohibited by legislative edict in many states. Stimulated by this demand, a great variety of bubbling cups and drinking fountains have been placed on the market, and among these we have selected those which we can recommend for their sanitary features, substantial construction and attractive design. The following pages show a wide variety of modern sanitary drinking fountains and bubbling cups, suitable for the most exacting conditions.



Plate D498

Porcelain Enameled All Over Pedestal Drinking Fountain, fitted with nickel-plated self-closing bubbling valve with china cup with volume regulator, nickel-plated operating ring and concealed galvanized supply and waste pipes.

Size, inches	27	30	36
Price complete as shown and described	\$	\$	\$



Plate D499

Vitreous China Pedestal Drinking Fountain, fitted with self-closing bubbling valve and concealed galvanized supply and waste pipes.

Size, inches	30	36
Price complete as shown and described	\$	\$



Plate D500

Cast Iron Pedestal Drinking Fountain with 12" vitreous china bowl with integral stream drinking head, with loose key self-closing stop and galvanized waste and supply pipes.

Size, inches	30
Price complete as shown and described	\$



Plate D501

Cast Iron Pedestal Drinking Fountain with enameled bowl with ventilated tripod guard cast integral, with 2-stream converging side stream projector and self-closing valve with volume regulator.

Size, inches	39	42
Price complete as shown and described	\$	\$

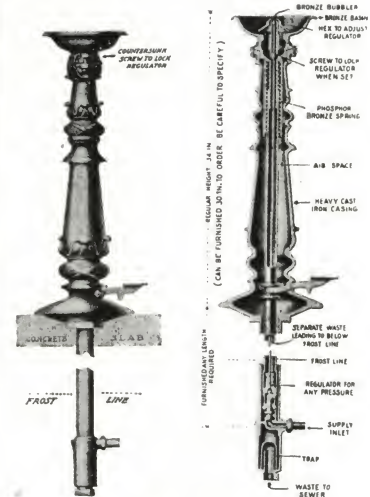


Plate D502

Cast Iron Pedestal Drinking Fountain, pedal-acting, with bronze bubbler, supply pipe with self-closing stop and waste pipe to floor.

Size, To set in ground.	2	3	4	5	6
Feet					
Price complete as shown and described	\$	\$	\$	\$	\$

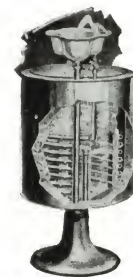


Plate D503

Cooler Drinking Fountain with cast iron cover, top and base, galvanized sheet iron body, tank and coil guard. Insulation: Regranulated cork in the side walls and pressed cork in bottom and cover of cooler, 1/2" O. D. 20 gauge seamless brass tubing cooling coil, tinned inside and outside. Furnished with drain and removable overflow. Vitreous china fountain head with ventilated tripod guard cast integral. Bowl equipped with 2-stream converging mound builder projector, supply pipe with self-closing valve and regulator. Ice capacity, 100 lbs. cracked, 80 lbs. lump. Can be furnished without fountain head, for use in connection with fountains already installed or where it is desired to conceal the cooler.

Price complete as shown and described	\$
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MODERN DRINKING FOUNTAINS

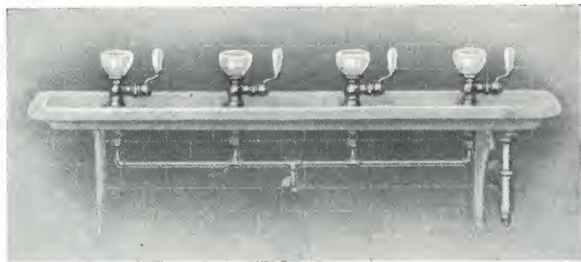


Plate D504

Porcelain Enameled Trough Drinking Fountain with four china guard bubblers, self-closing china lever handle controlling valves, loose key volume regulators, $\frac{3}{8}$ " nickel-plated supply pipe with loose key stop and $1\frac{1}{4}$ " nickel-plated "P" trap.

Size, inches 30 42 54
 Price complete as shown and described..\$ \$ \$



Plate D505

Porcelain Enameled Wall Drinking Fountain with china guard bubbler; loose key volume regulator, $\frac{3}{8}$ " nickel-plated supply pipe and self-closing lever handle controlling valve.

Price complete as shown and described \$



Plate D506

Porcelain Enameled Drinking Fountain with 2" roll rim, supported on concealed hanger, with china guard bubbler, self-closing china lever handle controlling valve, loose key volume regulator, $\frac{3}{8}$ " nickel-plated supply pipe and $1\frac{1}{4}$ " nickel-plated "P" trap. Height of back, 10"; width, $18\frac{1}{2}$ "; depth, front to back, $16\frac{1}{4}$ ".

Price complete as shown and described, enameled all over \$

Price complete as shown and described, enameled inside only \$



Plate D507

Cast Iron Enameled All Over Drinking Fountain with 2-stream converging mound builder side stream projector, nickel-plated self-closing valve with volume regulator and nickel-plated strainer. Projection from wall, $11\frac{1}{2}$ "; to center of drinking mound, 8"; receptor, $9\frac{1}{2}$ " over all; supply, $\frac{3}{8}$ "; outlet, 1".

Price complete as shown and described \$



Plate D508

Cast Iron Drinking Fountain with 6" vitreous china bowl, mounted in cast iron bracket and bowl support; 4-stream angle jet projector and self-closing valve with volume regulator. Length over all, 12"; diameter of bowl support, 7"; height, 6"; inlet tapped $\frac{3}{8}$ "

and waste pipe 1" iron pipe thread.

Price complete as shown and described \$



Plate D509

Nickel-plated Drinking Fountain with self-closing cross handle valve, $3\frac{3}{4}$ " guard ring; 4-stream angle jet projector, with volume regulator in valve. Length over all, $6\frac{1}{2}$ "; height, $3\frac{1}{4}$ "; inlet tapped $\frac{3}{8}$ " iron pipe.

Price complete as shown and described \$

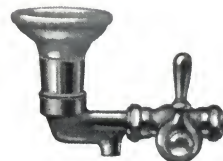


Plate D510

Nickel-plated Drinking Fountain with 3" or 6" back drain spout and china bowl.

Size $\frac{3}{8}$ " iron pipe $\frac{1}{2}$ " iron pipe

Price complete as shown and described \$ \$



Plate D511

Nickel-plated Drinking Fountain with self-closing lever handle valve; $3\frac{3}{4}$ " guard ring; 4-stream converging jet projector. Height over all, $14\frac{1}{2}$ "; inlet tapped $\frac{3}{8}$ " iron pipe.

Price complete as shown and described \$



Plate D512

Nickel-plated Bubbler Drinking Fountain with china cup and push button self-closing valve for $\frac{1}{2}$ " iron pipe. $3\frac{3}{8}$ " from center of bubbler to end of shank.

Price complete as shown and described \$

MODERN VALVE CLOSETS

ON this page we have endeavored to cover the complete line of Modern Valve Closets. The closet bowls are all hard-burned vitreous china, the flush valves shown are only those which have been thoroughly tested by years of actual service under all conditions and are guaranteed to work with satisfaction.



Plate D600

Vitreous China Syphon Jet Bowl with side inlet; No. F53 Royal flush valve with back inlet, and nickel-plated controlling stop; birch (mahogany finish) seat, cast brass floor flange with bolts and porcelain bolt caps. With wall bumper for closed front seat.

Price complete as shown and described\$
Add, for white pyralin seat



Plate D603

Vitreous China Syphon Jet Bowl with top inlet; No. F50 Royal flush valve with back inlet, and nickel-plated controlling stop; birch (mahogany finish) seat, cast brass floor flange with bolts and porcelain bolt caps. With wall bumper for closed front seat.

Price complete as shown and described\$
Add, for white pyralin seat



Plate D601

Vitreous China Syphon Jet Bowl with extended front and back rim and side inlet; No. F53 Royal flush valve with back inlet and nickel-plated controlling stop; birch (mahogany finish) open front seat; cast brass floor flange with bolts and porcelain bolt caps.

Price complete as shown and described\$
Add, for white pyralin seat



Plate D604

Vitreous China Silent Action Syphon Jet Bowl with side inlet; extended front lip and cut-back rim and raised rear vent, flushed all the way around; No. F53 Royal flush valve with back inlet, and nickel-plated controlling stop; birch (mahogany finish) open front seat, cast brass floor flange with bolts and porcelain bolt caps.

Price complete as shown and described\$
Add, for white pyralin seat



Plate D602

Vitreous China Syphon Jet Bowl with back inlet; No. F55 concealed, rough brass Royal flush valve with inlet on left hand side, and rough brass concealed controlling stop with wall and spud flanges, birch (mahogany finish) seat, cast brass floor flange with bolts and porcelain bolt caps. With wall bumper for closed front seat.

Price complete as shown and described\$
Add, for white pyralin seat



Plate D605

Vitreous China Syphon Jet Wall Hanging Closet Bowl with top inlet; No. F54 Royal flush valve with side inlet and nickel-plated controlling stop; birch (mahogany finish) seat. Concealed cast iron support for clamping to drainage fitting; special outlet flange, threaded for iron pipe with bolts. With wall bumper for closed front seat.

Price complete as shown and described\$
Add, for white pyralin seat

MODERN CLOSET COMBINATIONS

WE have endeavored to cover the complete line of modern water closet combinations, embodying the latest productions in tank operation. The closet bowls are all hard burned vitreous china. Tanks shown are of porcelain, enameled iron, vitreous china and vitro. While the combinations illustrated cover a wide range, we can make up any combination of bowl, tank and seat that may be desired, as these pieces are interchangeable and can be arranged to suit purchasers' ideas.



Plate D614

No. 6 Vitro Tank fitted with vitro ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush elbow; vitreous china syphon-action bowl, birch-mahogany (finish) seat and cover, screws and washers.

Price complete as shown and described\$



Plate D616

Porcelain Enameled Round Pattern Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop and flush elbow; vitreous china syphon-action bowl, birch-mahogany (finish) seat and cover, screws and washers.

Price complete as shown and described\$



Plate D615

Porcelain Enameled Square Pattern Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush elbow; vitreous china syphon-action bowl, birch-mahogany (finish) seat and cover, screws and washers.

Price complete as shown and described\$



Plate D617

Vitreous China Straight Front Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop, and flush connection; vitreous china reverse trap syphon-action bowl, white pyralin seat and cover, bolts and porcelain bolt caps.

Price complete as shown and described\$

MODERN CLOSET COMBINATIONS



Plate D618

Porcelain Enameled Square Pattern Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop, and flush connection, vitreous china syphon jet bowl, white pyralin seat and cover, bolts and porcelain bolt caps.
Price complete as shown and described\$.....



Plate D619

Vitreous China Round Front Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop, and flush connection, vitreous china syphon jet bowl with raised rear vent with wall flange, birch-mahogany (finish) seat and cover, bolts and porcelain bolt caps.
Price complete as shown and described\$.....



Plate D620

Vitreous China Straight Front Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " controlling stop for concealed supply pipe, and white flush connection, vitreous china square base syphon jet bowl, white pyralin saddle seat and cover, cast brass floor flange with bolts and porcelain bolt caps.
Price complete as shown and described\$.....



Plate D621

Vitreous China Round Front Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop, and flush connection, vitreous china syphon jet bowl with extended lip, golden-oak open front seat with cover and cast brass front and back reinforcements, cast brass floor flange with bolts and washers.
Price complete as shown and described\$.....



Plate D622

Vitreous China Straight Front Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe with wheel handle compression stop, and flush elbow, vitreous china syphon-action bowl with square base, birch-mahogany (finish) seat and cover, cast brass floor flange with bolts and porcelain bolt caps.
Price complete as shown and described\$.....



Plate D623

Porcelain Enameled Round Pattern Tank, fitted with modern high-grade ball-weight seat-action flush fittings, $\frac{3}{8}$ " nickel-plated supply pipe with china index compression stop, and flush connection, vitreous china syphon jet bowl, birch-mahogany (finish) seat, cast brass floor flange with bolts and washers.
Price complete as shown and described\$.....

MODERN CLOSET TANKS



Plate D624

No. 6 Vitro Tank fitted with Vitro ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush connection.

The Vitro Tank can be furnished in white, birch-mahogany or golden-oak finish.

Price complete as shown and described\$

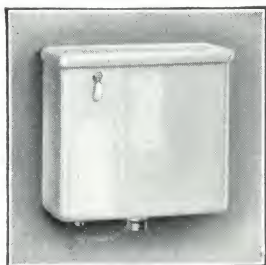


Plate D625

Porcelain Enameled Square Pattern Tank, fitted with modern ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush connection.

Price complete as shown and described\$



Plate D626

Vitreous China Straight Front Pattern Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush connection.

Price complete as shown and described\$



Plate D627

Vitreous China Round Pattern Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush connection.

Price complete as shown and described\$



Plate D628

Vitreous China Wave-line Pattern Tank, fitted with modern high-grade ball cock and flush valve, $\frac{3}{8}$ " nickel-plated supply pipe and flush connection.

Price complete as shown and described\$



Plate D629

Porcelain Enameled High Tanks for closets or urinals.

	Enameled all-over	Enameled inside
No. 1 Size 14 x 7x10, less fittings....\$	\$	\$
No. 2 Size 17½x 9x10, less fittings....		
No. 3 Size 21 x11x10, less fittings....		
No. 4 Size 24 x14x13, less fittings....		

(Furnished with or without fittings as desired)

MODERN CLOSET BOWLS



Plate D630

Vitreous China Syphon-Action Bowl with 2" spud and S/a.

Price, each\$.....



Plate D631

Vitreous China Syphon Jet Bowl with 2" spud and S/a.

Price, each\$.....



Plate D632

Vitreous China Syphon-Action Bowl with extended back outlet for close roughing-in; with 2" spud and S/a.

Price, each\$.....



Plate D633

Vitreous China Reverse Trap Syphon-Action Bowl with 2" spud and S/a.

Price, each\$.....



Plate D634

Vitreous China Syphon Jet Bowl with raised rear vent, 2" spud and S/a.

Price, each\$.....



Plate D635

Vitreous China Syphon Jet Bowl with extended front lip, 2" spud and S/a.

Price, each\$.....



Plate D636

Enameled Inside Hopper Closet, fitted with seat-action valve and hardwood seat with weight.

Price, each\$.....



Plate D637

New Style Enameled Inside Philadelphia Hopper.

Price, each\$.....

Add, for seat, bolted on\$.....

MODERN CLOSET SEATS

BELOW are shown a variety of Modern Closet Seats in the most staple designs made. These can be furnished in the various finishes as catalogued, and are complete with heavy nickel-plated brass hinges, nuts, washers and seat bumpers. All seats shown can be furnished with or without covers, as may be desired.



Plate D638

Plain Oval Seat and Cover.

Price, each, golden oak\$.....

Price, each, birch-mahogany (finish)\$.....



Plate D639

Plain Oval Saddle Seat and Cover.

Price, each, golden oak\$.....

Price, each, birch-mahogany (finish)\$.....



Plate D640

Plain Oval Open Front Seat and Cover.

Price, each, golden oak\$.....

Price, each, birch-mahogany (finish)\$.....



Plate D641

Plain Oval Open Front Saddle Seat and Cover.

Price, each, golden oak\$.....

Price, each, birch-mahogany (finish)\$.....



Plate D642

Plain Oval White Pyralin Seat and Cover.

Price, each\$.....



Plate D643

Plain Oval White Pyralin Saddle Seat and Cover.

Price, each\$.....



Plate D644

Plain Oval White Pyralin Open Front Seat and Cover.

Price, each\$.....

Plain Oval White Pyralin Open Front Saddle Seat and Cover.

Price, each\$.....



Plate D645

White Pyralin Open Front Saddle Seat and Cover for extended lip bowl.

Price, each\$.....

MODERN CLOSET FITTINGS



Plate D646

MANSFIELD BALL COCK

Mansfield Ball Cock for low tank.

Experience has demonstrated that certain parts of a ball cock are more susceptible to deterioration, therefore, to assure more lasting results, the plunger of this cock is made of acidproof metal, the gland of copper and the valve seat of bronze.

Price, each\$.....

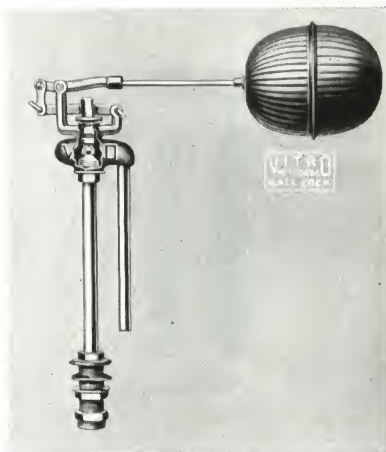


Plate D647

VITRO BALL COCK

Vitro Ball Cock, with float and rod, for low tank.

The Vitro Ball Cock is tested for closing off at from 1 lb. to 250 lbs. pressure without whistling, the seat is made of phosphor bronze, an almost positive guarantee against being cut by chips or grit.

Price, each\$.....



Plate D648

Modern Elevated Pattern Ball Cock with compound lever for low tank.

Price, each\$.....



Plate D649

Float Ball Rods.

Price, per dozen\$.....

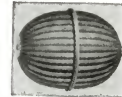


Plate D650

Copper Float Balls.

Price, per dozen\$.....



Plate D651

Douglas Flush Valves for low tank.

Price, each\$.....



Plate D652

Galvanized Goose-neck Syphon for high tank.

Size, inches	1 1/4	1 1/2	2
Price, each	\$	\$	\$



Plate D653

Modern China Handle Tank Lever.

Price, each\$.....



Plate D654



Plate D655

Plate D654

Nickel-plated Iron Pipe Size Closet Supply Pipe.

Size, inches	3/8
Price, per pair	\$

Plate D655

Nickel-plated Iron Pipe Size Closet Supply Pipe with wheel handle compression stop.

Size, inches	3/8
Price, per pair	\$

MODERN CLOSET FITTINGS



Plate D656

Modern Rubber Flush Balls.

Size, inches	2 1/4	2 1/2	2 3/4
Price, per dozen	\$	\$	\$



Plate D657

Rubber Closet connections.

Size, inches	1 1/4 x 1 1/4	1 1/4 x 1 1/2	1 1/2 x 1 1/2	1 1/2 x 2	2 x 2
Price, per dozen \$	\$	\$	\$	\$	\$

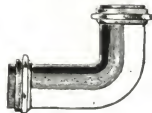


Plate D658

Nickel-plated Flush Elbows for low tank closets.

Size, inches	2x4x6	2x5x7
Price, each	\$	\$



Plate D659

Nickel-plated Offset Flush Connections for low tank closets.

Size, inches	2x1	2x1 1/2	2x2	2x2 1/2	2x3	2x3 1/2	2x4
Price, each	\$	\$	\$	\$	\$	\$	\$



Plate D660

Stamped Brass Closet Floor Flange.

Price, each	\$
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Plate D661

Cast Iron Closet Floor Flange.

Price, each	\$
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Plate D662

Cast Brass "Durham" Closet Floor Flange, tapped for iron pipe.

Price, each	\$
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Plate D663

Improved Suction Force Pump.

Price, each	\$
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Price, cup only	\$
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Plate D664

Plate D664

Brass Closet Bolts with nickel-plated nuts.

Price, per 100	\$
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Plate D665

Plate D665

Brass Closet Screws with nickel-plated nuts.

Price, per 100	\$
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Plate D666

Plate D666

Rubber Tack Seat Bumpers.

Price, per 100	\$
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Plate D667

Plate D667

Nickel-plated Closet Screw Washers.

Price, per 100	\$
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MODERN FROST PROOF CLOSETS

THE Vogel Patented Frost Proof Closet can be easily and quickly installed. Requires no pit. A great convenience when installed in the garage, yard or on the rear porch of any residence. The D670 and D671 outfits fill the demand for a strong and durable automatic water-saving closet for factory or school use. Repairs, though seldom necessary, can be easily made.



Plate D668

Enameled inside, painted red outside, tall oval flushing rim, enameled rim hopper, reinforced hardwood seat, galvanized pressure tank, flush pipe, lead waste connection, supply and flush valves assembled with 3' 3" valve rod and casing. Trap and soil pipe not included.

Price\$

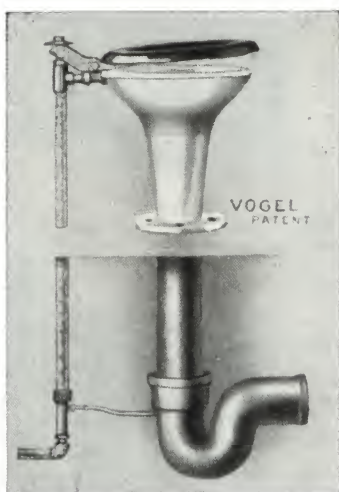


Plate D669

Enameled inside, painted red outside, enameled rim hopper with brass fan wash, hardwood seat, lead waste connection, valve assembled with 3' 3" valve rod and casing. Trap and soil pipe not included.

Price\$



Plate D670

Enameled flushing rim hopper with "S" trap, enameled inside, painted outside, reinforced hardwood seat, heavy brass pressure flush valve, galvanized pressure tank, flush pipe and fitting.

Price\$
For bowl and trap, enameled outside, add



Plate D671

Syphon action vitreous china bowl, simply constructed nickel-plated brass valve, heavy golden oak seat, galvanized pressure tank and flush pipe. Valve accessible above bowl.

Price\$
For nickel-plated supply pipe, fittings and controlling valve add
For syphon jet bowl add
For enameled tank add

MODERN URINALS

ON the following pages we offer a line of Modern Urinals of sufficiently wide range to cover all requirements. The urinal, while indispensable in public institutions, factories, etc., is often an offensive fixture by reason of faulty construction or lack of attention, and too much care cannot be exercised in the selection of the fixture and its proper treatment after installation.

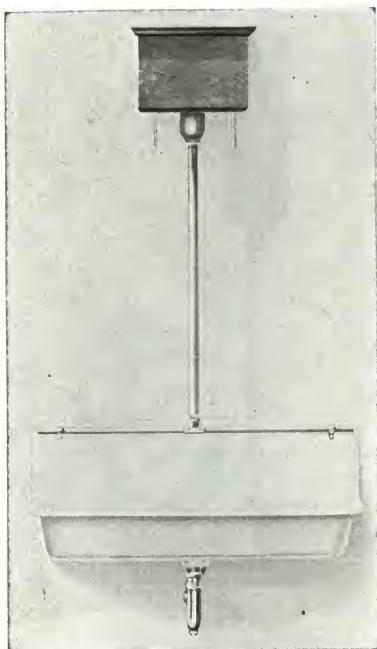


Plate D672

Porcelain Enameled Roll Rim Urinal with integral back, supported on concealed wall hangers, fitted with brass bee-hive strainer, automatic tank complete with fittings, flush pipe and perforated wash-down pipe and 1½" bag trap.

Size	2'	2½'	2'	3½'
Price complete as shown and described	\$	\$	\$	\$
Add for brass wash-down pipe all around				
Size	4'	5'	6'	
Price complete as shown and described	\$	\$	\$	
Add for brass wash-down pipe all around				
If without trap, deduct				\$

Plate D673—Same as D672 except without tank

Porcelain Enameled Roll Rim Urinal, supported on concealed wall hangers, fitted with brass bee-hive strainer, perforated wash-down pipe, loose key stop and 1½" bag trap.

Size	2'	2½'	3'	3½'
Price complete as shown and described	\$	\$	\$	\$
Price with brass wash-down pipe all around				
Size	4'	5'	6'	
Price complete as shown and described	\$	\$	\$	
Price with brass wash-down pipe all around				
If without trap, deduct				\$



Plate D674

Porcelain Enameled Flat Back Lip Urinal, supported on concealed wall hanger, with inlet and outlet connections. 18½" high, 13" wide.

Price enameled all over, each	\$
Price, enameled inside, each	



Plate D675

Porcelain Enameled Corner Lip Urinal, supported on concealed wall hangers, with inlet and outlet connections. 18½" high, 13" wide.

Price enameled all over, each	\$
Price enameled inside, each	



Plate D676

Vitreous China Flat Back Syphon Jet Urinal with top supply and wall outlet with spuds only.

	No. 1	No. 2
Price, each	\$	\$



Plate D677

Vitreous China Corner Lipped Urinal, with earthenware inlet and outlet connections.

	No. 1	No. 2	No. 3
Price, each	\$	\$	\$



Plate D678

Vitreous China Flat Back Lipped Urinal, with earthenware inlet and outlet connections.

	No. 1	No. 2	No. 3
Price, each	\$	\$	\$

MODERN URINALS



Plate D679

Vitreous China Wash-Down Action Urinal with back supply.

Floor to top, over all	29 1/2"
Floor to top of lip	20 3/4"
Width across back	13 1/2"
Price, with spud only	\$

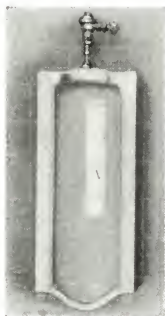


Plate D680

Solid Porcelain Urinal Stall straight front and glazed both sides, F.59 Royal flushing valve, nickel-plated brass bell spreader, and nickel-plated brass outlet strainer.

Size	Width along wall	Wall to front of lip	Height
18"	18"	16 1/2"	46"
24"	24"	18 "	48"

Price complete as shown and described, 18" \$

Price complete as shown and described, 24" \$



Plate D681

Solid Porcelain Urinal Stall with integral extension shields and glazed both sides with nickel-plated flushing valve, nickel-plated brass bell spreader and nickel-plated brass outlet strainer.

Size	Width along wall	Wall to front of lip	Height
18"	18"	16 1/2"	46"
24"	24"	18 "	48"

Price complete as shown and described, 18" \$

Price complete as shown and described, 24" \$

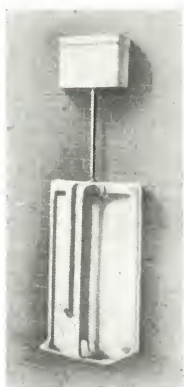


Plate D682

Duplex Solid Porcelain Urinal Stall with integral inlet spreaders, vitreous china automatic flushing tank, nickel-plated brass flush pipe, and nickel-plated brass outlet strainers.

Price complete as shown and described \$

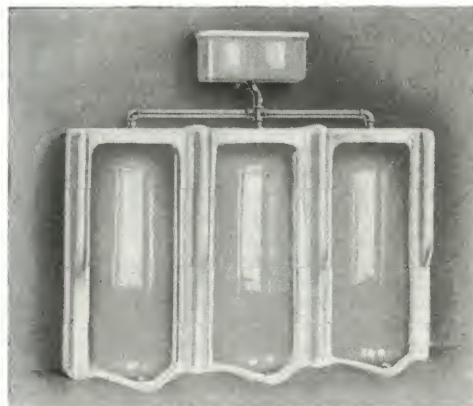


Plate D683

Solid Porcelain Three-Stall Urinal, with integral extension shields and interlocking seams, vitreous china automatic flushing tank, with nickel-plated brass flush pipes and connections, nickel-plated brass bell spreaders and nickel-plated brass outlet strainers.

Size	Along back wall each stall	Wall to front of lip	Height
18"	18"	16 1/2"	46"
24"	24"	18 "	48"

Price complete as shown and described, 18" \$

Price complete as shown and described, 24" \$



Plate D684

Solid Porcelain Four-Stall Urinal with interlocking seams, with vitreous china automatic flushing tank for each two stalls, with nickel-plated brass flush pipes and connections, nickel-plated brass bell spreaders, and nickel-plated brass outlet strainers.

Size	Along back wall each stall	Wall to front of lip	Height
18"	18"	16 1/2"	46"
24"	24"	18 "	48"

Price complete as shown and described, 18" \$

Price complete as shown and described, 24" \$



Plate D685

Vitreous China High Tanks for closets or urinals.

No.	Capacity, gallons.	Size	Price, each
No. 1	23	14 1/2 x 10 1/2"	\$
No. 2	21	12 1/2 x 10 1/2"	\$
No. 3	16 1/2	10 3/4 x 10 1/2"	\$
No. 4	15	9 1/2 x 10 1/2"	\$

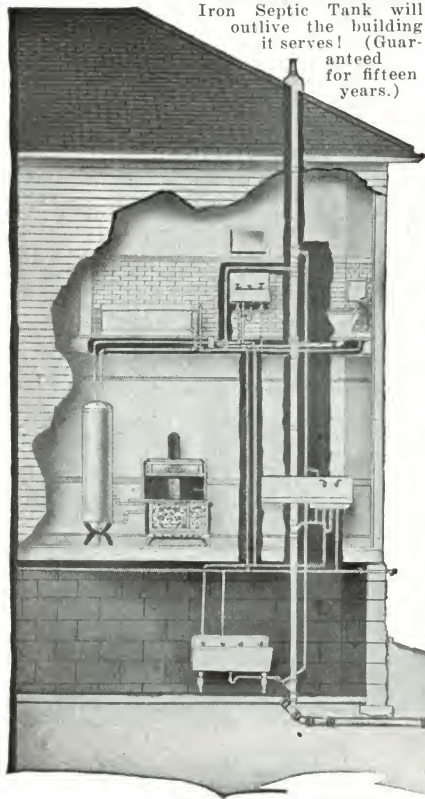
Prices do not include fittings.

KAUSTINE ENAMELED IRON SEPTIC TANKS

CONSTRUCTION

Kaustine Enameled Iron Septic Tanks are made from heavy gauge Armeo (Ingot) Iron electrically welded and double seamed. Coated inside and out with Hermastic Enamel. Double coating above water line. Inlet and outlet connections are cast iron, also coated with enamel. The intake and discharge compartments are made of heart cypress, square in design and open at top to prevent clogging. Tops of tanks are constructed of heart cypress creosoted with matched joints. Tops are bolted on, thus providing easy access to tank. Baffles are also made from cypress and creosoted. An essential gas area equal to one-fifth of the total capacity is provided above the water line.

A Kaustine Enameled Iron Septic Tank will outlive the building it serves! (Guaranteed for fifteen years.)



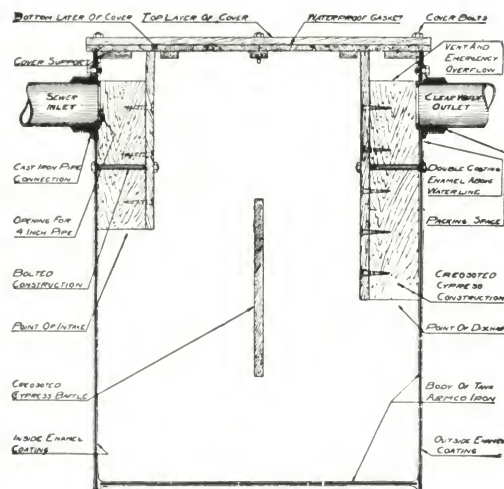
The above illustrates a No. 102 Domestic Size Septic Tank suitable for a family of seven persons or less.

MATERIALS

Armeo Ingot Iron used in Kaustine Septic Tanks is the purest commercial iron obtainable. It has a guaranteed purity of 99.84%. It is free from gas holes, blemishes and impurities so common in other irons and steel. This metal furnishes the base for the enamel. Hermastic Enamel is a bituminous coating applied to Kaustine Septic Tanks at a temperature of 400° by submersion. After application and drying process this enamel remains plastic. It will not harden to chipping point or soften under any condition in use. This coating is not affected by acids, gases, corrosive or electrolytic actions. Heart cypress, creosoted, is used inside the tank and for the cover because of its unequaled lasting quality. It is inhibitive to water, sewage or septic gases.

Ten reasons why more Kaustine Septic Tanks are used than all other types combined.

1. More enduring than the finest concrete.
2. Costs less per gallon of liquid capacity.
3. Shipped complete, ready to install.
4. No danger of breakage in transit or by frost.
5. Easier to install. Can be handled by one man.
6. Scientific construction insures proper operation.
7. Removable top provides ready access.
8. Design of inlet and outlet compartments prevents clogging.
9. Free expert engineering service available to all purchasers.
10. Covered by fifteen-year guarantee.



The above clearly sets forth the details of construction of the No. 102 Tank. All other sizes are made with the same careful attention to details.

KAUSTINE ENAMELED IRON SEPTIC TANK

PRICES AND SPECIFICATIONS

Cat. No.	Dimensions, Inches	Total Capacity, Gals.	Working Capacity, Gals.	Tile Size, Inches	No. of Users Designed to Accommodate				Prices	Shipping Weight, Lbs.
					Homes	Hotel	Factory	School		
101	32x50	170	140	4	4 Persons or less	8 Persons or less	10 Persons or less	12 Persons or less	\$ 55.00	210
102	38x50	245	200	4	7 Persons or less	10 Persons or less	15 Persons or less	20 Persons or less	65.00	250
103	48x50	390	320	4	10 Persons or less	20 Persons or less	25 Persons or less	32 Persons or less	90.00	300
104	48x72	565	485	4	17 Persons or less	30 Persons or less	35 Persons or less	50 Persons or less	140.00	425
105	60x72	850	735	6	25 Persons or less	50 Persons or less	65 Persons or less	80 Persons or less	230.00	700
106	70x72	1150	1000	6	35 Persons or less	65 Persons or less	80 Persons or less	100 Persons or less	280.00	815

All above Tanks are Vertical—First Dimension Indicates Diameter—Larger Size Tanks up to 50,000 Gallons—Prices on Application.

SUGGESTIONS FOR SEPTIC TANK INSTALLATIONS

Always provide sufficient covering of earth to protect against frost. When absorption bed is used, an air vent should be provided at end of tile. If absorption bed is made in soil that will not absorb, provide a leaching pool at end of tile. Absorption beds should be well covered and joints of tile protected by tar paper caps. Use the following scale in determining number of feet of tile for various installations. For home, 15 feet per person; hotel, 12 feet; factory, 10 feet, and school, 7 feet.

Do not attempt difficult problems unless you are well experienced in Septic Tank installations. Put them up to our Engineering Department. Their services are free. Send us a sketch of your problem and we will prepare blue prints also without cost.

MODERN SEPTIC TANKS

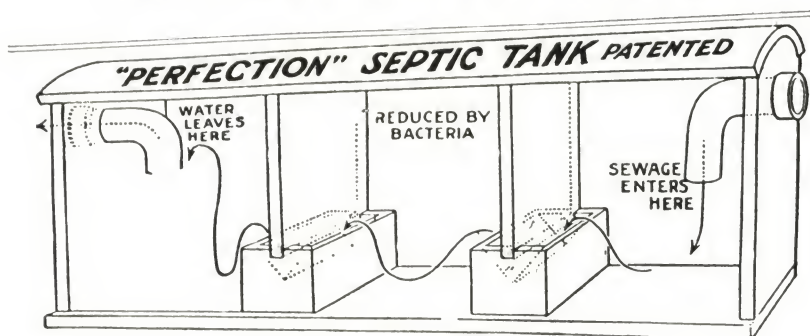


Plate D688

SEWAGE DISPOSAL WITHOUT SEWERS

EVERYTHING in nature dies and is subject to decay, from the smallest blade of grass to the highest form of animal life. This process is brought about by the action of bacteria, which are minute, living organisms, invisible to the eye, yet so numerous and so powerful as to be able to literally eat up and digest all dead matter. They are everywhere present—in water, in air, in the soil and in our bodies. Some of them are known to stimulate certain specific diseases and the destruction of these by medical treatment is known as the antiseptic process. Others, and the vast majority, are constructive and helpful in their nature and their work is known as the septic process, or the process which destroys or liquifies all dead organic matter, therefore, a septic tank is a tank in which all house sewage or waste is reduced to liquid by this bacterial process.

Some of the filth destroying bacteria work best in the open air, others do their work only in a dark, air-tight receptacle, where the temperature does not drop below 50 degrees. The latter is the class that is formed and operates in a "Perfection" septic tank.

The temperature of sewage is an important consideration of the process of purification, therefore the life of bacteria that operate in a "Perfection" septic tank is preserved and increased in a temperature that does not fall below 50 degrees, so that it is necessary to get the tank deep enough in the ground to maintain this minimum temperature in the coldest weather. The action of the bacteria will be the same in winter and summer, as the bacteria themselves generate heat, and as more heat breeds more bacteria, and as the old bacteria are destroyed by the young, the process of decomposition is never checked. The "Perfection" septic tank, being constructed of reinforced concrete, with walls two inches thick all around, and air-tight, the contents will not be so susceptible to change of temperature as if it were made of some material that is a good conductor of heat and cold. This septic tank, or digestion tank more properly named, is simply a reservoir of three or more compartments, owing to the size needed, with a capacity equal to the average flow of say twelve hours.

The sewage entering at one end loses its velocity immediately, and its heavier suspended solids begin to sink, while the lighter rise to the top as scum. This separation of solids and liquids continues until practically all the suspended matter is eliminated. The clarified liquid then escapes gently at the far end of the tank. This action continues from day to day, the solids accumulating until those which were first deposited and attacked by the bacteria, which colonized the tank, have become liquified and pass out; thus the progress of liquidation prevents the passing out of new solids.

The sewage enters the tank at the inlet chamber and flows slowly and gently through the dividing trough into each successive chamber until it enters the gravel filter at the outlet end, from which it flows through the outlet pipe.

It takes from a week to ten days, owing to the amount of sewage, for the tank to become filled, and the bacteria to get to work, after which time the flow of water at the outlet end will equal the flow of sewage at the inlet end.

SCHEDULE OF SECTIONS FOR 1, 2, 3, 4, 5 UNITS

1-Unit	2-Unit	3-Unit	4-Unit	5-Unit
2-A	2-A	2-A	2-A	2-A
1-B	4-B	7-B	10-B	13-B
2-C	2-C	2-C	2-C	2-C
2-E	2-E	2-E	2-E	2-E
2-G	2-M	4-M	6-M	8-M
2-H	2-N	4-N	6-N	8-N
2-J	4-G	3-J	4-J	5-J
2-K	2-H	6-G	8-G	10-G
	2-J	2-H	2-H	2-H
	2-K	3-K	4-K	5-K
Total 15	24	35	46	57
For more than 5 units, add eleven sections for each unit.				
Price, \$	\$	\$	\$	\$

GENERAL SPECIFICATIONS

CONSTRUCTION: Reinforced cement concrete. Made with grooves, shipped in sections (crated), weight, 2,800 lbs. each unit.

Size of single unit tank (up to 8 people), 7' 10" long, 32" wide and 27" deep inside. Walls, 2" thick. Size of elbows, 4". Elbows and farm tile necessary are not part of standard equipment. These tanks are furnished in any size to meet any requirement, 2-3-4-5 unit systems and larger. Length and capacities are multiples of the specifications of a single unit tank.

FOR FACTORIES: A single unit (tank) as above is rated of sufficient capacity to accommodate 15 persons.

FOR SCHOOLS AND PUBLIC BUILDINGS: A single unit tank is rated of sufficient capacity to accommodate 20 pupils.

MODERN BATH ROOM ACCESSORIES

IN the section following will be found the latest and best designs of Bath Room and Toilet Room Accessories. Our brass fixtures are strongly made of the best grade of brass, highly polished and finished in heavy nickel-plate. They are built to stand hard service but for those who prefer the all-white effect, we recommend the Tile-In Accessories as the last word in sanitary perfection. These are strong, artistic in design, and due to their impervious glaze are perfectly non-absorbent and easily cleaned.

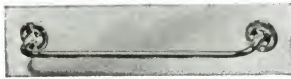


Plate D689
Nickel-plated Brass Towel Bars.

Diameter	Length	Price each
1/2"	16"	\$
1/2"	18"	.....
1/2"	24"	.....
1/2"	30"	.....



Plate D690
Crystal Glass Towel Bars with nickel-plated brackets.

Diameter	Length	Price each
5/8"	18"	\$
5/8"	24"	.....
5/8"	30"	.....
1"	18"	.....
1"	24"	.....
1"	30"	.....
1"	36"	.....

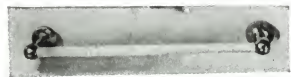


Plate D691
Opal Glass Towel Bars with nickel-plated brackets.

Diameter	Length	Price each
5/8"	18"	\$
5/8"	24"	.....
5/8"	30"	.....
1"	18"	.....
1"	24"	.....
1"	30"	.....
1"	36"	.....

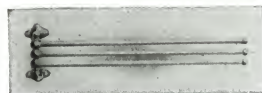


Plate D692
Swinging Towel Bars.

Diameter	Length	Price each
5/8"	15"	\$
1/2"	15"	.....



Plate D693
Nickel-plated Toilet Paper Holder with hard-wood roller.
Price, each\$

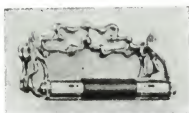


Plate D694
Nickel-plated Toilet Paper Holder with spring roller.
Price, each\$

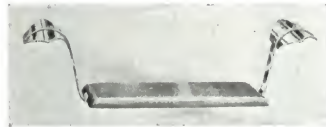


Plate D695

Bath Tub Seats, with nickel-plated adjustable arms.

Golden oak finish.....Price, each \$

Special white finish.....Price, each

Special albaroid finishPrice, each



Plate D696

Nickel-plated Soap and Tumbler Holder with opal tumbler and opal tray.
Price, each\$



Plate D697

Nickel-plated Tumbler Holder with opal glass tumbler.
Price, each\$



Plate D698

Nickel-plated Tooth Brush Holder.
Price, each\$



Plate D699

Nickel-plated Brass Soap Dish with opal glass tray.
Price, each\$



Plate D700

Nickel-plated Comb and Brush Tray 5x11".
Price, each\$



Plate D701

Nickel-plated Brass Soap Dish for rim of tub.
Price, each\$



Plate D702

Nickel-plated Combination Soap and Sponge Holder for rim of tub.
Price, each\$



Plate D703

Nickel-plated Brass Wire Combination Soap and Sponge Holder for rim of tub.
Price, each\$



Plate D704

Nickel-plated Hat and Coat Hook.
Price, each\$



Plate D705

Nickel-plated Robe Hooks.
Price, each\$

(All bath room accessories shown on this page can be furnished in special white finish. Prices quoted on application.)

MODERN BATH ROOM ACCESSORIES



Plate D706

Opal Glass Shelf with opal glass towel bar.

5x24" Shelf with $\frac{5}{8}$ "x18" bar	Price
5x30" Shelf with $\frac{5}{8}$ "x24" bar	\$

Crystal Glass Shelf with crystal glass towel bar.

5x24" Shelf with $\frac{5}{8}$ "x18" bar	Price
5x30" Shelf with $\frac{5}{8}$ "x24" bar	\$



Plate D707

Opal Glass Shelf with nickel-plated brackets.

5 x 18"	Price
5 x 20"	\$
5 x 24"	.....
5 x 30"	.....

Crystal Glass Shelf with nickel-plated brackets.

5 x 18"	Price
5 x 20"	\$
5 x 24"	.....
5 x 30"	.....



Plate D708

Beveled Plate Glass Oval Mirrors.

Size	Price with N. P. Frame	Price with White Finish Frame
12x18"	\$	\$
14x20"		
16x24"		
18x30"		

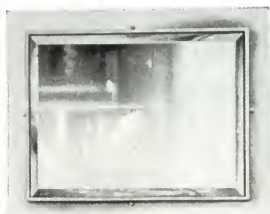


Plate D709

Beveled Plate Glass Oblong Mirrors.

Size	Price with N. P. Frame	Price with White Finish Frame
12x18"	\$	\$
14x20"		
16x24"		
18x30"		

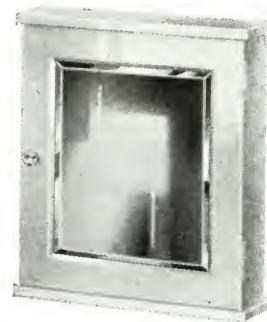


Plate D710

White Enameled Steel Medicine Cabinets with beveled plate glass mirrors and plate glass shelves adjustable to height desired.

Wall Pattern

Depth inside	Flange depth	Hole in wall	Shelves	Price
21 $\frac{1}{2}$ x 15 $\frac{1}{2}$ "	4 $\frac{7}{8}$"	.....	2	\$
25 $\frac{1}{2}$ x 15 $\frac{1}{2}$ "	4 $\frac{7}{8}$"	.....	3	.....
26 $\frac{5}{8}$ x 20 $\frac{5}{8}$ "	4 $\frac{7}{8}$"	.....	2	.....
30 $\frac{5}{8}$ x 20 $\frac{5}{8}$ "	4 $\frac{7}{8}$"	.....	3	.....
31 $\frac{7}{8}$ x 25 $\frac{7}{8}$ "	4 $\frac{7}{8}$"	.....	3	.....

Note—Can be furnished with round or square corners as desired, can also furnish special sizes not listed above.



Plate D711

Recess Pattern

Depth inside	Flange depth	Hole in wall	Shelves	Price
21 $\frac{3}{8}$ x 15 $\frac{3}{8}$ "	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 20x14 $\frac{1}{4}$ x 3 $\frac{3}{4}$ "	2	\$
25 $\frac{3}{8}$ x 15 $\frac{3}{8}$ "	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 24x14 $\frac{1}{4}$ x 3 $\frac{3}{4}$ "	3	.....
27 x 21"	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 24x18 $\frac{1}{4}$ x 3 $\frac{3}{4}$ "	2	.....
26 $\frac{1}{2}$ x 20 $\frac{1}{2}$ "	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 24x18 $\frac{1}{4}$ x 3 $\frac{3}{4}$ "	2	.....
30 $\frac{1}{2}$ x 20 $\frac{1}{2}$ "	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 28x18 $\frac{1}{4}$ x 3 $\frac{3}{4}$ "	3	.....
31 $\frac{3}{4}$ x 25 $\frac{3}{4}$ "	4 $\frac{7}{8}$ "	1 $\frac{1}{4}$ " 29 $\frac{1}{4}$ x 23 $\frac{1}{2}$ x 3 $\frac{3}{4}$ "	3	.....

Note—Can be furnished with round or square corners as desired, can also furnish special sizes not listed above.

*Furnished with round corners only.

MODERN TILE-IN BATH ROOM ACCESSORIES

TILE-IN accessories are far superior to nickel-plated brass, as there is no metal to tarnish, are easy to keep clean and are very attractive in appearance, are guaranteed not to craze, crack or pull loose from wall.

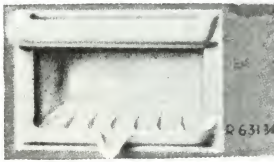


Plate D712

No. 631 $\frac{3}{4}$ —Soap Holder and Grab Rail, 6"x9" with lip drain.

Price, each\$



Plate D715

No. 600—Soap Holder, 3"x6", with full lip.

Price, each\$



Plate D718

No. 630 $\frac{3}{4}$ —Soap Holder, 6"x9", with lip drain.

Price, each\$

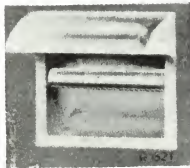


Plate D713

No. 621—Toilet Paper Holder with nickel-plated roller, 6"x6".

Price, each\$



Plate D716

No. 750—3x6" Round Towel Bar 18" long.
Price, each\$
No. 750—3x6" Round Towel Bar 24" long.
Price, each\$
No. 750—3x6" Round Towel Bar 30" long.
Price, each\$
No. 750—3x6" Round Towel Bar 36" long.
Price, each\$

Towel Bars can be furnished in crystal, opal glass or celluloid covered wood bar. Unless specified, celluloid covered wood bar will be furnished.

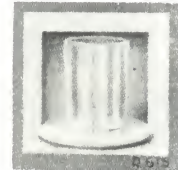


Plate D719

No. 615—Tumbler Holder, 6"x6".

Price, each\$



Plate D714

No. 740—Robe, Towel or Toilet Paper Hook, 3"x6".

Price, each\$



Plate D717

No. 755—3x6" Opal Glass Shelf 18" long.
Price, each\$
No. 755—3x6" Opal Glass Shelf 24" long.
Price, each\$
No. 755—3x6" Opal Glass Shelf 30" long.
Price, each\$
No. 755—3x6" Opal Glass Shelf 36" long.
Price, each\$

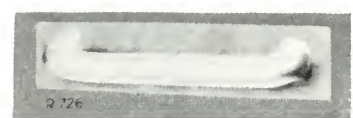
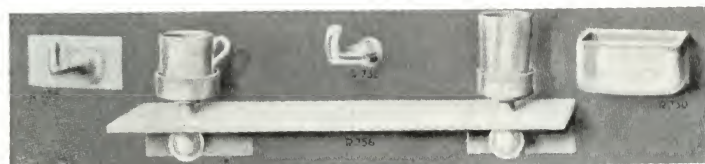


Plate D720

No. 726 Grab Rail, 3"x12".

Price, each\$



Plates—D721—D722—D723—D724

Plate D721

No. 735—Robe or Razor Strop HookPrice \$

Plate D722

No. 756—3x6" Opal Glass Shelf 18" longPrice \$
3x6" Opal Glass Shelf 24" longPrice
3x6" Opal Glass Shelf 30" longPrice
3x6" Opal Glass Shelf 36" longPrice

Plate D723

No. 736—Robe, Water Bag or Razor Strop Hook.....Price \$

Plate D724

No. 730—Sponge Holder 3x6"Price \$

MODERN ENAMELED SINKS

ON the pages immediately following will be found a selected line of the most desirable patterns of cast iron enameled one-piece modern kitchen sinks, suitable for every condition.



Plate D800

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hanger, with patented strainer.

Size	Price, each	Size	Price, each
16 x 24.....	\$.....	20 x 30.....	\$.....
18 x 18.....		20 x 36.....	.....
18 x 24.....		20 x 40.....	.....
18 x 30.....		22 x 30.....	.....
18 x 36.....		22 x 36.....	.....
20 x 20.....		22 x 42.....	.....
20 x 24.....			



Plate D801

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hanger and painted adjustable leg, with patented strainer.

Plate D802

Same as D801, except for right-hand corner.

Size	Price, each	Size	Price, each
16 x 24.....	\$.....	20 x 36.....	\$.....
18 x 24.....		20 x 40.....	.....
18 x 30.....		22 x 36.....	.....
18 x 36.....		22 x 42.....	.....
20 x 30.....			

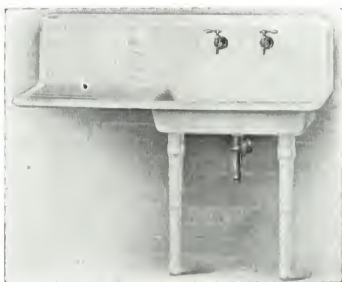


Plate D803

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hangers and painted adjustable legs, with patented strainer.

Plate D804

Same as D803, except with right-hand drain board.

Size Sink	Size Drain Board	Price each	Size Sink	Size Drain Board	Price each
20x24	20x20	\$.....	22x36	22x26	\$.....
20x30	20x24	.....	20x30	20x18	.....
22x30	22x24	.....			



Plate D805

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hanger, with patented strainer.

Size	Price, each	Size	Price, each
18 x 30.....	\$.....	20 x 40.....	\$.....
20 x 30.....		22 x 36.....	.....
20 x 36.....		22 x 42.....	.....



Plate D806

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable leg, with patented strainer.

Plate D807

Same as D806, except for left-hand corner.

Size	Price, each	Size	Price, each
18 x 30.....	\$.....	20 x 40.....	\$.....
20 x 30.....		22 x 36.....	.....
20 x 36.....		22 x 42.....	.....



Plate D808

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable legs, with patented strainer.

Plate D809

Same as D808, except with right-hand drain board.

Size Sink	Size Drain Board	Price, each
20 x 24	20 x 20	\$.....
20 x 30	20 x 24	.....
22 x 36	22 x 26	.....

(All Sinks furnished with under side painted white.)

MODERN ENAMELED SINKS

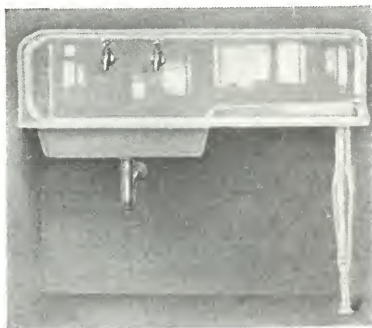


Plate D810

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hangers and painted adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 30	22 x 24	.....
22 x 36	22 x 26	.....
20 x 30	20 x 18	.....



Plate D811

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hangers and painted adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 30	22 x 24	.....
22 x 36	22 x 26	.....
20 x 30	20 x 18	.....

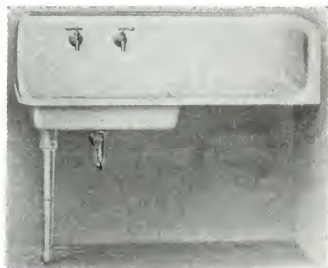


Plate D812

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hangers and painted adjustable leg, with patented strainer.

Plate D813

Same as D812, except with left-hand end and left-hand drain board.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 30	22 x 24	.....
22 x 36	22 x 26	.....
20 x 30	20 x 18	.....



Plate D814

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 24	20 x 20	\$
20 x 30	20 x 24	.....
22 x 36	22 x 26	.....



Plate D815

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 24	20 x 20	\$
20 x 30	20 x 24	.....
22 x 36	22 x 26	.....



Plate D816

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 24	20 x 20	\$
20 x 30	20 x 24	.....
22 x 36	22 x 26	.....

(All Sinks furnished with under side painted white.)

MODERN ENAMELED SINKS

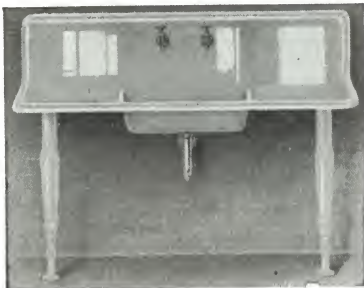


Plate D817

Porcelain Enameled One-piece Roll Rim Sink, supported on concealed wall hangers and painted adjustable legs, with patented strainer.

Size	Sink	Size Drain Board	Price, each
22 x 26	22 x 22	22 x 19	\$



Plate D818

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable leg, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 24	20 x 20	\$
20 x 30	20 x 24	.....
22 x 36	22 x 26	.....

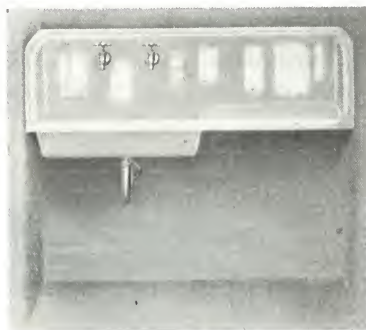


Plate D819

Porcelain Enameled One-piece Roll Rim Sink for recess, supported on concealed wall hangers, with patented strainer.

Plate D820

Same as D819, except with left-hand drain board.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 36	22 x 26	.....

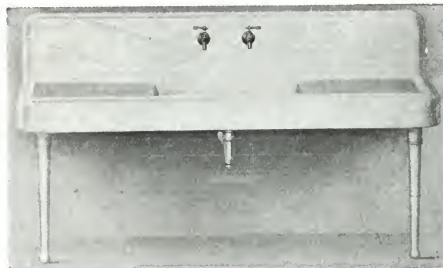


Plate D821

Porcelain Enameled One-piece Apron Sink, supported on concealed wall hangers and porcelain enameled adjustable legs, with patented strainer.

Size	Sink	Size Drain Board	Price, each
22 x 26	22 x 22	22 x 19	\$
20 x 30	20 x 26	20 x 24	.....
22 x 32	22 x 28	22 x 25	.....

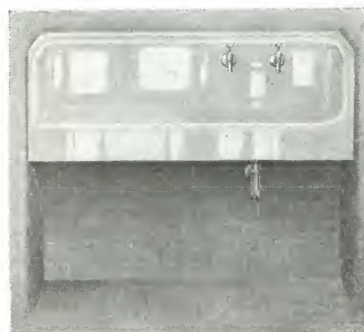


Plate D822

Porcelain Enameled One-piece Apron Sink for recess, supported on concealed wall hangers, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 36	22 x 26	.....

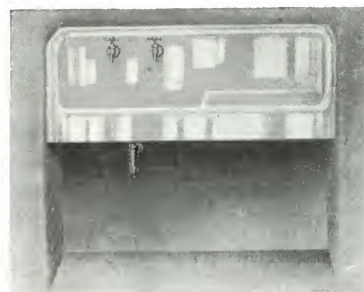


Plate D823

Porcelain Enameled One-piece Apron Sink for recess, supported on concealed wall hangers, with patented strainer.

Size Sink	Size Drain Board	Price, each
20 x 30	20 x 24	\$
22 x 36	22 x 26	.....

(All Sinks furnished with under side painted white.)

MODERN ENAMELED SINKS, ETC.

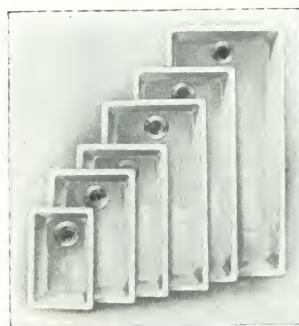


Plate D824

Porcelain Enameled Flat Rim Kitchen Sink with nickel-plated flat strainer, and follower.

Size	Price, each	Size	Price, each
12x18	\$	22x36	\$
14x20		20x40	.....
16x24		24x48	.....
18x24		20x60	.....
18x30		24x60	.....
18x36		22x62	.....
20x24		20x72	.....
20x30		24x72	.....
20x36			

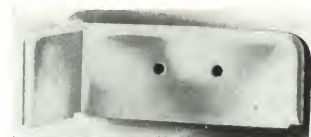


Plate D827

Porcelain Enameled 12" End Piece for flat rim sink.

Size	16"	18"	20"	22"
Price, each	\$	\$	\$	\$

When ordering specify whether for right or left-hand end.

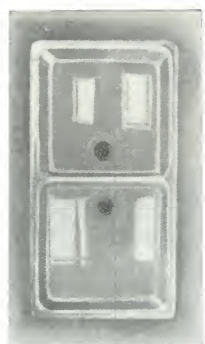


Plate D825

Porcelain Enameled Two-compartment Flat Rim Sink; waste outlet in each compartment fitted with nickel-plated patented strainer.

Size	32x20x7	48x18x6	42x22x6
Price, each	\$	\$	\$



Plate D826

Porcelain Enameled 12" Back for flat rim kitchen sink.

Size	18"	20"	22"	24"	30"	36"
Price, each	\$	\$	\$	\$	\$	\$



Plate D828

No. 2 Cast Iron Sink Brackets.

Price per pair.....\$	Galvanized per pair.....\$
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Plate D829

No. 2 Steel Sink Brackets.

Price per pair.....\$	Galvanized per pair.....\$
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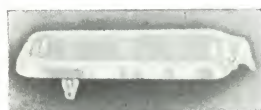


Plate D830

Porcelain Enameled Interchangeable Drain Boards with wall support for roll rim sinks.

Size	Price, each	Size	Price, each
16x18	\$	20x18	\$
16x24		20x24	.....
18x18		22x18	.....
18x24		22x24	.....

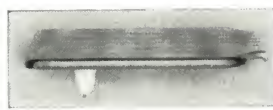


Plate D831

Hardwood Interchangeable Drain Boards with wall support for roll rim sinks.

Size	Price, each	Size	Price, each
18x18	\$	20x24	\$
18x20		20x30	.....
18x22		20x36	.....
18x24		22x18	.....
18x30		22x24	.....
18x36		22x30	.....
20x18		22x36	.....



Plate D832

Hardwood Interchangeable Drain Boards with porcelain enameled end to fit over roll rim sinks, with wall support.

Size	Price, each	Size	Price, each
16x18	\$	20x18	\$
16x24		20x24	.....
16x30		20x30	.....
18x18		22x18	.....
18x24		22x24	.....
18x30		22x30	.....

MODERN SINK FITTINGS

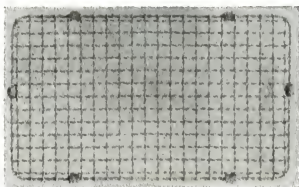


Plate D833

Wire Sink Mats for roll rim sinks, apron sinks and slop sinks.

Size, inches	11x14	13x15	13x23	15x29 1/2	15 1/2 x33 1/2
Price, each, galvanized wire	\$	\$	\$	\$	\$
Price, each, brass wire	\$	\$	\$	\$	\$

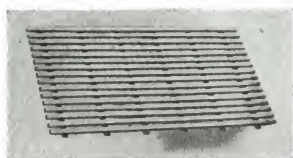


Plate D834

Hardwood Sink Mats for roll rim sinks, apron sinks and slop sinks.

Size of sink, inches	24	30	36	40	42	48
Price, each	\$	\$	\$	\$	\$	\$



Plate D835

Rubber Drain Board Mats for enameled iron drain boards.

Size, inches	18x18	18x24	20x18	20x24	22x18	22x24
Price, each	\$	\$	\$	\$	\$	\$

For Integral Drain Board Sinks

Size sinks, inches	20x24	20x30	22x36
Price, each	\$	\$	\$



Plate D836

Porcelain Enameled Grease Trap with removable top and brass hand hole cover; fitted with 1 1/2" polished brass vent, inlet and outlet connections. Furnished regularly outside painted one coat. Diameter at top, 16 1/2". Height, 10 1/2".

Price, each	\$
Price, each, with 2" vent fittings	\$
Add, for nickel-plated fittings, either size	\$



Plate D837

Polished Brass Grease Trap with removable top; fitted with 2" vent, inlet and outlet connections. Diameter, 5 1/2". Height, 10 1/2".

Price, each	\$
Price, each, nickel-plated	\$
For 1 1/2" connections instead of 2" deduct	\$



Plate D838

Nickel-plated "S" Trap with waste to floor.

Size, inches	1 1/4	1 1/2	2
Price, each	\$	\$	\$
Price, each, vented	\$	\$	\$

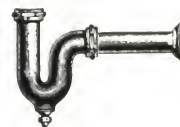


Plate D839

Nickel-plated "P" Trap with waste to wall.

Size, inches	1 1/4	1 1/2	2
Price, each	\$	\$	\$
Price, each, vented	\$	\$	\$



Plate D840

Cast Iron Sink Trap threaded for 1 1/4" iron pipe, outlet can be at back or either side. By placing an elbow on outlet, can be converted into an "S" trap.

Price, each, painted	\$
Price, each, galvanized	\$

MODERN SINK FITTINGS



Plate D841

Cast Iron Bottle Trap with male inlet and female outlet.

Size, inches	1 1/4	1 1/2
Price, each, painted	\$	\$
Price, each, galvanized		
Add, for 1 1/4" N. P. slip nut		
Add, for 1 1/2" N. P. slip nut		



Plate D842

Cast Iron "P" Trap with male threads on both ends.

Size, inches	1 1/4	1 1/2
Price, each, painted	\$	\$
Price, each, galvanized		
Add, for 1 1/4" N. P. slip nut		
Add, for 1 1/2" N. P. slip nut		



Plate D843

Cast Iron "S" Trap with male threads on both ends.

Size, inches	1 1/4	1 1/2
Price, each, painted	\$	\$
Price, each, galvanized		
Add, for 1 1/4" N. P. slip nut		
Add, for 1 1/2" N. P. slip nut		



Plate D844

Cast Iron "P" Trap with female inlet and male outlet.

Size, inches	1 1/4	1 1/2
Price, each, painted	\$	\$
Price, each, galvanized		
Add, for 1 1/4" N. P. slip nut		
Add, for 1 1/2" N. P. slip nut		



Plate D845

Old Style Flat Sink Strainer.

Price, per dozen, plain iron	\$
Price, per dozen, N. P. brass	
Add, for bolts and nuts per dozen	



Plate D846

Nickel-plated Brass Plug Sink Strainer.

Price, each	\$
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Plate D847

Cast Iron Sink Follower for lead pipe.

Price, per dozen	\$
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Plate D848

Cast Iron Sink Follower tapped for iron pipe.

Price, each	\$
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Plate D849

Sink Bolts.

Long, brass. Price, per dozen	\$
Short, brass. Price, per dozen	
Long, iron. Price, per 100	
Short, iron. Price, per 100	



Plate D850

Rubber Sink Gaskets.

Price, per dozen	\$
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MODERN ENAMELED WASH SINKS

FACTORY sanitation, long neglected, is now one of the most important elements in American industrial life. No part of the equipment of a factory or workshop is as vital to the health and well-being of the workers as the plumbing.

On this page we show a variety of Modern Porcelain Enameled Factory Wash Sinks, equipped with special wash sink cocks. These sinks are suitable for any factory, workshop or institution.



Plate D851

Porcelain Enameled Roll Rim Wash Sink with center outlet; supported on painted pedestals, with painted pipe supports over center of sink, fitted with nickel-plated compression double wash sink cocks with four-ball china index handles, open standing waste and 1 1/2" nickel-plated re-seal trap.

Can be furnished to measure 26" or 31" from floor to top of rim. Specify when ordering. Width over all 27".

Size	3'	4'	5'	6'
Price complete as shown and described.....\$	4	4	6	6
Cocks furnished	4	4	6	6

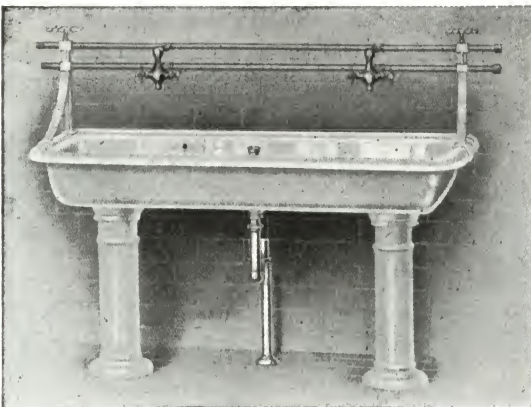


Plate D852

Porcelain Enameled Roll Rim Wash Sink with center outlet; supported on painted pedestals, with painted pipe supports over back of sink, fitted with nickel-plated compression double wash sink cocks with four-ball china index handles, 3/4" brass hot and cold water supply pipes, nickel-plated soap dishes, nickel-plated open standing waste and 1 1/2" nickel-plated re-seal trap.

Can be furnished to measure 26" or 31" from floor to top of rim. Specify when ordering. Widths over all 18" and 24".

Size	3'	4'	5'	6'
Price complete as shown and described, 18" wide.....\$				
Price complete as shown and described, 24" wide.....\$				
Cocks furnished	2	2	3	3

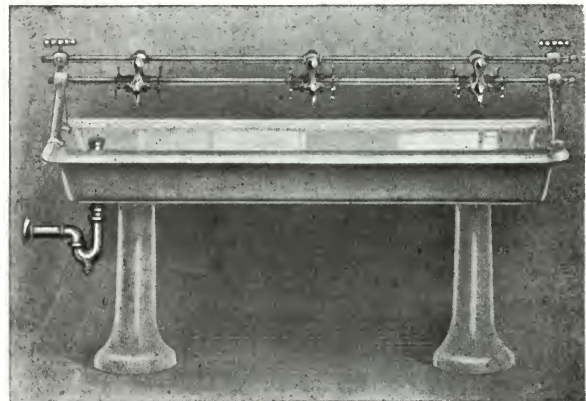


Plate D853

Porcelain Enameled Roll Rim Wash Sink with end outlet; supported on painted pedestals, with painted pipe supports over center of sink, fitted with nickel-plated compression double wash sink cocks with rose-sprays and four-ball china index handles, 3/4" brass hot and cold water supply pipes, nickel-plated soap dishes, nickel-plated open standing waste and nickel-plated 1 1/2" "P" trap.

Height 31" from floor to top of rim. Width over all 30".

Size	4'	5'	6'
Price complete as shown and described	\$	\$	\$
Cocks furnished	4	6	6

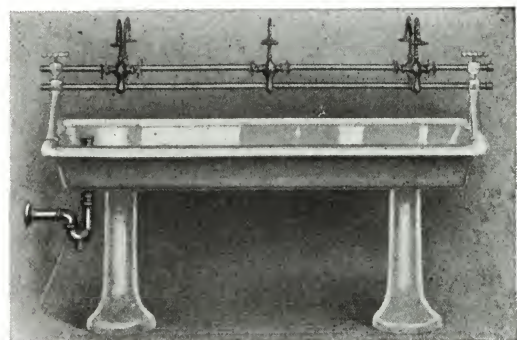


Plate D854

Porcelain Enameled Roll Rim Wash Sink with end outlet; supported on painted pedestals, with painted pipe supports over center of sink, fitted with nickel-plated compression double wash sink cocks with goose-necks and rose sprays and four-ball china index handles, 3/4" brass hot and cold water supply pipes, nickel-plated soap dishes, nickel-plated open standing waste and 1 1/2" nickel-plated "P" trap.

Height 31" from floor to top of rim. Width over all, 30".

Size	4'	5'	6'
Price complete as shown and described	\$	\$	\$
Cocks furnished	4	6	6

(All wash sinks furnished with under side painted white.)

MODERN SINK COCKS

ON this page we show a variety of Modern Wash Sink Cocks and special Sink Fittings. All are made of best grade brass heavily nickel-plated and are guaranteed against any defect in manufacture.



Plate D855A



Plate D858

Nickel-plated Slop Sink Faucet with four-ball china index handles, brace and bucket hook. $\frac{3}{4}$ " size.

Price, each\$



Plate D861

Nickel-plated Compression Double Wash Sink Cock with four-ball china index handles, rose spray and $\frac{1}{2}$ " union couplings.

Price, each\$



Plate D855B

Nickel-plated Mixing Faucet with swinging spout for kitchen and pantry sinks, with china index handles. Connections for $\frac{1}{2}$ " or $\frac{3}{4}$ " iron pipe, male or female. Made for sinks with cock holes 8", 10", 12" center to center.

No. 1 No. 2 No. 3

Price, each, D855A\$\$\$

Price, each, D855B\$



Plate D859

Nickel-plated Combination Sink Faucet with four-ball china index handles, metal escutcheons, goose-neck nozzle and $\frac{1}{2}$ " iron pipe size inlets.

Price, each\$



Plate D862

Nickel-plated Compression Double Wash Sink Cock with short goose-neck and rose spray, with four-ball china index handles and $\frac{1}{2}$ " union couplings.

Price, each\$



Plate D857

Nickel-plated Combination Sink Faucet with four-ball china index handles, goose-neck nozzle with cast brass spray regulator. $\frac{1}{2}$ " size.

Price, each\$



Plate D860

Nickel-plated Compression Double Wash Sink Cock with four-ball china index handles and $\frac{1}{2}$ " union couplings.

Price, each\$



Plate D863

Nickel-plated Compression Double Wash Sink Cock with four-ball china index handles, with goose-neck rose spray and $\frac{1}{2}$ " union couplings.

Price, each\$

MODERN PORCELAIN SINKS AND COMBI- NATION SINKS AND TRAYS



Plate D864

Solid Porcelain One-Piece Sink, supported on porcelain legs and wall straps; fitted with nickel-plated outlet strainer and coupling.

Size	42x22	53x26	62x26
Price, sink only, with legs	\$	\$	\$

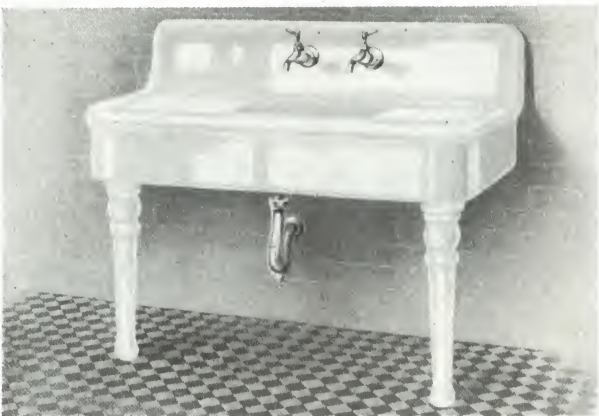


Plate D865

Solid Porcelain One-Piece Sink, supported on porcelain legs and wall straps; fitted with nickel-plated outlet strainer and coupling.

Size	50x22
Price, sink only, with legs	\$



Plate D866

Solid Porcelain One-Piece Sink, supported on porcelain legs and wall straps; fitted with nickel-plated outlet strainer and coupling.

Size	Price, sink only, with legs	Size	Price, sink only, with legs
24x22	\$	30x26	\$
27x22		36x26 .....	.....
27x26		42x26 .....	.....
30x22		48x26 .....	.....

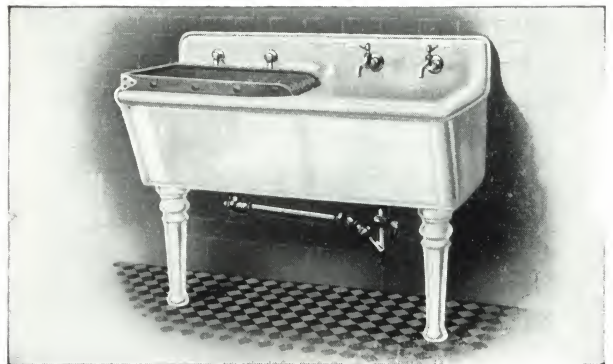


Plate D867

Solid Porcelain One-Piece Sink and Laundry Tray Combination, supported on porcelain legs and wall straps; fitted with nickel-plated outlet strainers and couplings, and combination drain board and tray cover.

Price complete as described	\$
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MODERN ENAMELED LAUNDRY TRAYS

IN the section immediately following will be found a complete line of Modern Slop Sinks and Laundry Trays in the most desirable patterns made. The Slop Sinks are made of cast iron porcelain enameled and solid porcelain. The Laundry Trays of cast iron porcelain enameled, cement, alberene stone, euclid stone and solid porcelain. The fixtures shown cover a wide range and give the purchaser the opportunity of selecting a fixture best suited for a home.

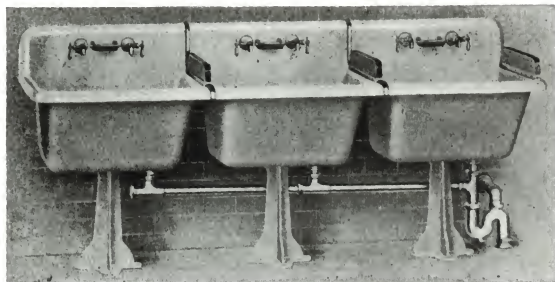


Plate D868

Porcelain Enameled Roll Rim Laundry Tray with body and back of each section all in one piece, supported on painted pedestals, with nickel-plated union strips and hardwood wringer holders. Fitted with $\frac{1}{2}$ " nickel-plated adjustable flange bibbs with four-ball china index handles, nickel-plated soap dishes, waste plugs and rubber stoppers.

	1 Section	2 Section	3 Section
Price complete as shown and described	\$	\$	\$
Price, tray, less all fittings			
Without wringer holders, deduct.....			

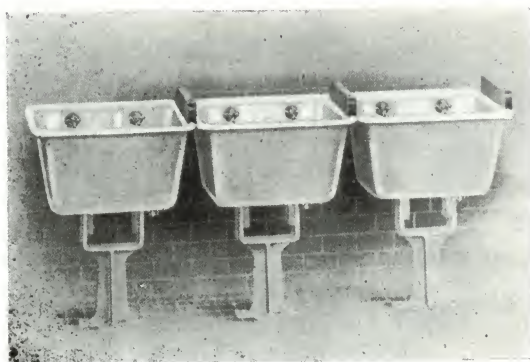


Plate D869

Porcelain Enameled Flat Rim Laundry Tray, supported on painted pedestals, with hardwood wringer holder on each section, bolted directly to iron rim. Fitted with $\frac{1}{2}$ " nickel-plated compression "T" handle stub pattern tray bibbs, waste plugs and rubber stoppers.

	1 Section	2 Section	3 Section
Price complete as shown and described	\$	\$	\$
Price, tray, less all fittings			
Add for N. P. union strips with hardwood wringer holders			

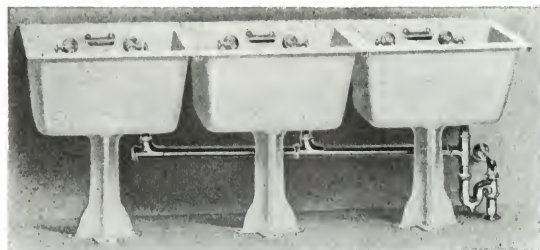


Plate D870

Porcelain Enameled Flat Rim Laundry Tray, supported on painted pedestals, fitted with $\frac{1}{2}$ " nickel-plated compression "T" handle stub pattern tray bibbs, nickel-plated soap dishes, waste plugs and rubber stoppers.

	1 Section	2 Section	3 Section
Price complete as shown and described	\$	\$	\$
Price, tray, less all fittings			
Add for wood covers			
Add for N. P. union strips only			
Add for N. P. union strips with hardwood wringer holders			

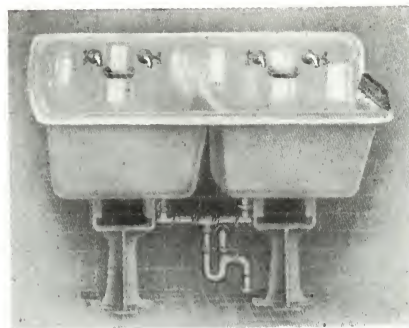


Plate D871

Porcelain Enameled Roll Rim Two-Section Laundry Tray, tray and back all in one piece, supported on painted pedestals, and with hardwood wringer holder on right-hand end. Fitted with $\frac{1}{2}$ " nickel-plated compression adjustable flange bibbs with four-ball china index handles, nickel-plated soap dishes, waste plugs and rubber stoppers, $1\frac{1}{2}$ " continuous waste with $1\frac{1}{2}$ " vented "S" trap.

Price complete as shown and described	\$
Price, tray, less all fittings .....	.....
Add for hardwood wringer holder between trays .....	.....

Note—All laundry trays furnished with outside painted one coat.

MODERN ENAMELED LAUNDRY TRAYS, ETC.

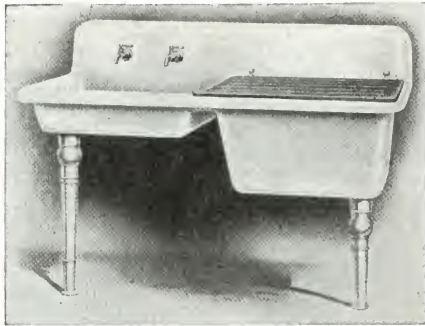


Plate D872

Porcelain Enameled Roll Rim Sink and Laundry Tray Combination with body and back all in one piece, supported on painted adjustable legs. Sink fitted with nickel-plated patented strainer with coupling. Laundry tray fitted with soap dish, waste plug and rubber stopper and combination ash drain board and cover.

Price complete as shown and described\$
 Price, less bibbs\$

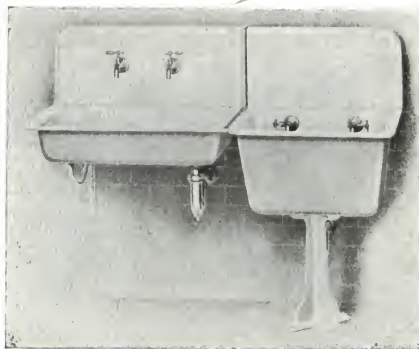


Plate D873

Porcelain Enameled Flat Rim Sink and Laundry Tray Combination with separate back and nickel-plated union strip, supported on painted pedestal and painted bracket. Sink fitted with nickel-plated patented strainer with coupling. Laundry tray fitted with waste plug and rubber stopper.

	Sink and One Tray	Sink and Two Trays
Price complete as shown and described:	\$	\$
With 20x24 Sink	\$	\$
With 20x30 Sink	\$	\$
With 20x36 Sink	\$	\$
Price, less all fittings:		
With 20x24 Sink	\$	\$
With 20x30 Sink	\$	\$
With 20x36 Sink	\$	\$



Plate D874

Porcelain Enameled Flat Rim Slop Sink; supported on 3" full "S" pattern trap with spigot end for soil pipe. Fitted with nickel-plated patented strainer.

Size	16x16	16x20	18x22	20x22	20x24
Price complete as shown and described	\$	\$	\$	\$	\$

All Sink and Tray Combinations, Slop Sinks and Traps regularly furnished with outside painted one coat.



Plate D875

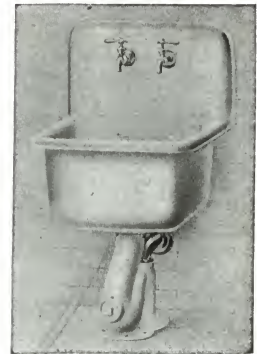


Plate D876

Plate D875

Porcelain Enameled Slop Sink with roll rim all around; supported on 3" full "S" pattern trap with spigot end for soil pipe. Fitted with nickel-plated compression combination supply fixture with four-ball china index handles, bucket hook and wall support and nickel-plated patented strainer.

Size	16x20	18x22	20x22	20x24	20x30
Price complete as shown and described	\$	\$	\$	\$	\$
Price, less all fittings	\$	\$	\$	\$	\$

Plate D876

Porcelain Enameled Roll Rim Integral Slop Sink with 12" back, supported on 3" full "S" pattern trap with spigot end for soil pipe. Fitted with nickel-plated patented strainer.

Size	16x20	18x22	20x22	20x24
Price complete as shown and described	\$	\$	\$	\$
Price, less all fittings	\$	\$	\$	\$



Plate D877



Plate D878

Plate D877

Porcelain Enameled 3" Slop Sink Trap, tapped for iron pipe with vertical adjustment and cleanout.

Price, each, enameled inside	\$
Price, each, enameled all over	\$

Plate D878

Porcelain Enameled 3" Slop Sink Trap, for lead pipe with nickel-plated brass vent to wall.

Price, each, enameled inside	\$
Price, each, enameled all over	\$



Plate D879

Porcelain Enameled Flat Rim Slop Sink with 2" center outlet and nickel-plated patented strainer with coupling nut and tail piece.

Size, inches	Price, enameled inside	Price, painted in and out
16x16x10	\$	\$
16x16x12		
20x14x12		
20x16x12		
22x20x12		
23x15x15		
23x18x12		
24x20x12		
30x20x12		
36x20x12		
36x21x16		
48x20x12		
48x20x17		
72x20x12		

For Slop Sink with 3-inch outlet add to above prices \$

MODERN PORCELAIN LAUNDRY TRAYS AND SLOP SINKS

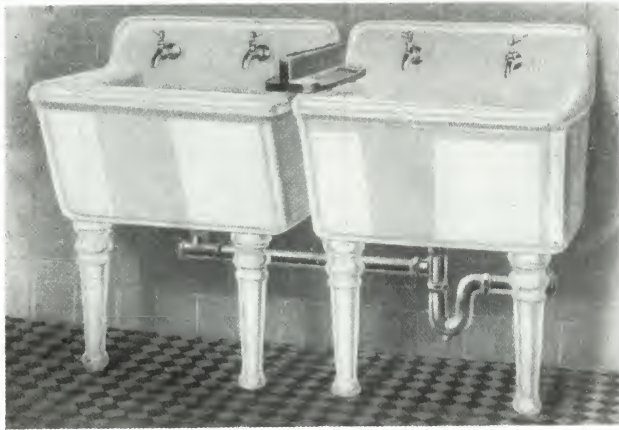


Plate D880

Solid Porcelain Roll Rim Laundry Trays with integral back, supported on porcelain legs and wall straps; fitted with nickel-plated outlet plugs and stoppers and hardwood wringer holder.

Size	26x26	30x26	36x26
Price, as described	\$	\$	\$
Price, single tray .....	.....	.....	.....

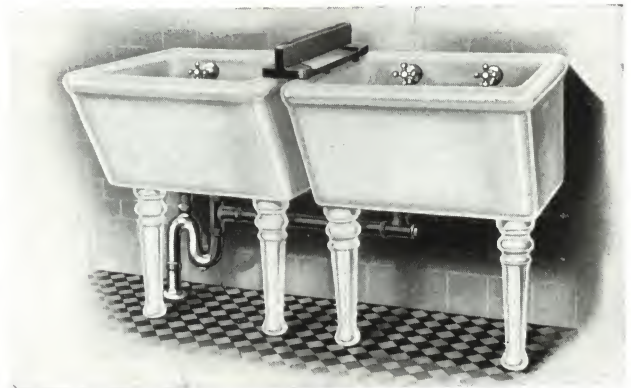


Plate D882

Solid Porcelain All Roll Rim Laundry Trays, supported on porcelain legs and wall straps; fitted with nickel-plated outlet plugs and stoppers and hardwood wringer holder.

Size	24x24	26x24	30x24	36x24
Price, as described	\$	\$	\$	\$
Price, single tray .....	.....	.....	.....	.....

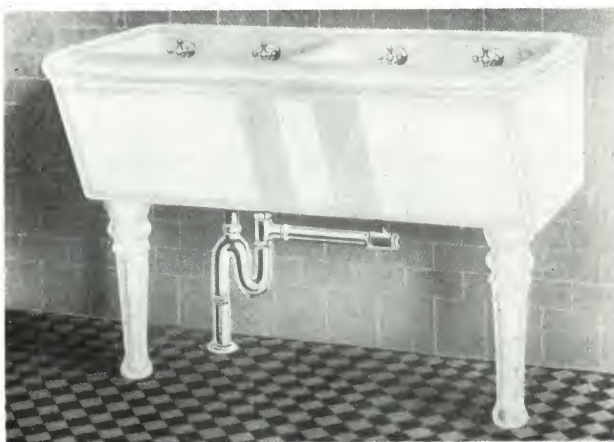


Plate D881

Solid Porcelain Two-Part One-Piece Laundry Tray, supported on porcelain legs and wall straps; fitted with nickel-plated outlet plugs and stoppers.

Size	24x24
Price, as described	\$



Plate D883

Solid Porcelain Roll Rim Slop Sink with integral back, supported on enameled inside iron trap standard with enameled iron adjustable plate with bolts; fitted with nickel-plated outlet strainer.

Size	22x20	24x22
Price, as described	\$	\$

MODERN CEMENT AND STONE LAUNDRY TRAYS



Plate D884

Granitine Single Compartment Laundry Tray with metallic rim, metallic wringer guards, brass strainers, rubber plugs and waste connections.

Length	Width	Depth	Price
25"	24"	16"	\$

Price does not include fittings.



Plate D885

Granitine Two-Compartment Laundry Tray with metallic rim, metallic wringer guards, brass strainers, rubber plugs and twin waste connections.

Length	Width	Depth	Price
48"	24"	16"	\$

Price does not include fittings.



Plate D886

Granitine Three-Compartment Laundry Tray with metallic ring, metallic wringer guards, brass strainers, rubber plugs and twin waste connections.

Length	Width	Depth	Price
72"	24"	16"	\$

Price does not include fittings.

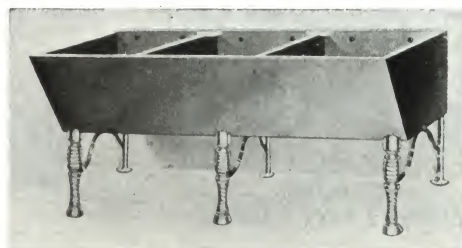


Plate D887

Euclid or Alberene Stone Laundry Trays with legs, plugs and couplings. Two-part trays all furnished with twin waste connection.

Number of compartments	Length over all	Price, Euclid	Price, Alberene
1	24"	\$	\$
2	48"	.....	.....
3	72"	.....	.....



Plate D888

Euclid or Alberene Stone Laundry Trays, 12" high back, legs, plugs and couplings. Two-part trays all furnished with twin waste connection.

Number of compartments	Length over all	Price, Euclid	Price, Alberene
1	24"	\$	\$
2	48"	.....	.....
3	72"	.....	.....

All trays are 16" deep.

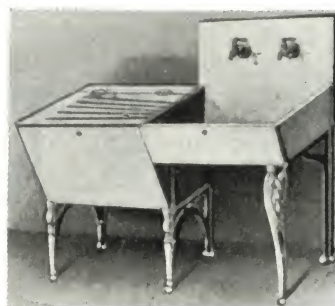


Plate D889

Euclid or Alberene Stone Combination Laundry Tub and Kitchen Sink, with legs, plugs and couplings and 12" high back over sink, with hinged drain board cover over tray.

Size of tub	Size of sink	Total length	Price, Euclid	Price, Alberene
24x24	24x24	48"	\$	\$

Waste connection in tub and sink will be drilled right or left according to location of sink.

Laundry Tray Frames as shown on page 58 can be used with these trays.

MODERN LAUNDRY TRAY FITTINGS

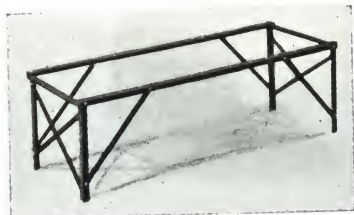


Plate D890

LAUNDRY TRAY FRAMES

Two part, each\$
 Three part, each\$



Plate D891

LAUNDRY TRAY LEGS

Each\$

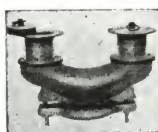


Plate D892

TWIN WASTE CONNECTION

For Two-Part Tray

Each\$



Plate D893

BRASS LAUNDRY TRAY PLUG

With Lock Nut and Coupling, Tail Piece
 for Lead Pipe or Slipping Into
 Brass Waste Fittings

Each\$



Plate D894

BRASS LAUNDRY TRAY PLUG

With Lock Nut, for Iron Pipe
 Connection

Each\$



Plate D895

GALVANIZED WASH TRAY TEE

Size 1/2" 3/4"

Galvanized, price, each.....\$\$

Brass, price, each\$



Plate D896

GALVANIZED WASH TRAY ELL

Right or Left

Size 1/2" 3/4"

Galvanized, price, each.....\$\$



Plate D897

ROUGH BRASS "S" TRAPS

For Laundry Trays

Size 1 1/2" 2"

Plain, each\$\$

Vented, each\$

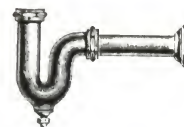


Plate D898

ROUGH BRASS "P" TRAPS

For Laundry Trays

Size 1 1/2" 2"

Plain, each\$\$

Vented, each\$



Plate D899

ROUGH BRASS SECTIONAL WASTES

For Laundry Trays

Size 1 1/2"

For 2-part tray. Price, each\$

For 3-part tray. Price, each\$



Plate D900

LONG PATTERN COMPRESSION LAUNDRY TRAY BIBB

Size 1/2" 5/8"

I. P. nickel-plated—
 Price, per dozen\$\$

I. P. finished brass—
 Price, per dozen\$



Plate D901

STUB PATTERN COMPRESSION LAUNDRY TRAY BIBB

Size 1/2"

I. P. nickel-plated—
 Price, per dozen\$

I. P. finished brass—
 Price, per dozen\$

Add for hose end, per dozen\$

MODERN BRASS GOODS

THE following pages contain a complete line of modern brass bibbs, etc. The different goods are classified according to their use, and are shown, as far as possible, in the logical order of their use. This arrangement makes it very easy to find anything that is wanted. Modern brass goods are made of the highest grade brass and have been selected with the view of furnishing the best that can be had.



Plate D902

COMPRESSION FOUR-BALL CHINA INDEX HANDLE PLAIN BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$41.40 \$49.20
 Price, per dozen, N. P. 45.00 52.80

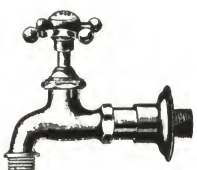


Plate D903

COMPRESSION FOUR-BALL CHINA INDEX HANDLE HOSE BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$44.40 \$52.20
 Price, per dozen, N. P. 48.00 55.80



Plate D904

COMPRESSION TEE HANDLE PLAIN BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$32.40 \$40.80
 Price, per dozen, N. P. 36.00 44.40



Plate D905

COMPRESSION TEE HANDLE HOSE BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$35.40 \$43.80
 Price, per dozen, N. P. 39.00 47.40



Plate D906

COMPRESSION TEE HANDLE PLAIN BIBB I. P.

Size 1/2" 5/8"
 Price, per dozen, finished... \$19.80 \$25.20
 Price, per dozen, N. P. 23.40 28.80



Plate D907

COMPRESSION TEE HANDLE HOSE BIBB I. P.

Size 1/2" 5/8"
 Price, per dozen, finished... \$22.80 \$28.20
 Price, per dozen, N. P. 26.40 31.80



Plate D908

COMPRESSION TEE HANDLE PLAIN BIBB With Female Flange I. P.

Size 1/2" 5/8"
 Price, per dozen, finished \$25.80 \$32.40
 Price, per dozen, N. P. 29.40 36.00



Plate D909

COMPRESSION TEE HANDLE HOSE BIBB With Female Flange I. P.

Size 1/2" 5/8"
 Price, per dozen, finished \$28.80 \$35.40
 Price, per dozen, N. P. 32.40 39.00

QUICK-OPENING COMPRESSION BIBBS

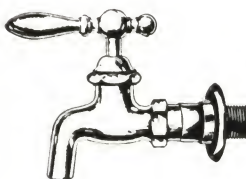


Plate D910

LEVER HANDLE PLAIN BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$34.20 \$42.60
 Price, per dozen,
 N. P. 37.80 46.20
 Add for china
 handle, per
 dozen 6.00 6.00

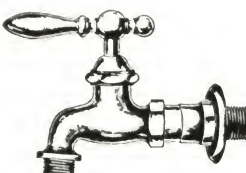


Plate D911

LEVER HANDLE HOSE BIBB I. P.

With Threaded Adjustable Flange

Size 1/2" 5/8"
 Price, per dozen,
 finished \$37.20 \$45.60
 Price, per dozen,
 N. P. 40.80 49.20
 Add for china
 handle, per
 dozen 6.00 6.00

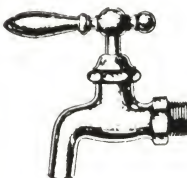


Plate D912

LEVER HANDLE PLAIN BIBB I. P.

Size 1/2" 5/8"
 Price, per dozen,
 finished \$21.60 \$27.00
 Price, per dozen, N. P. 25.20 30.60
 Add for china handle,
 per dozen 6.00 6.00

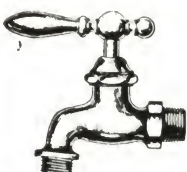


Plate D913

LEVER HANDLE HOSE BIBB I. P.

Size 1/2" 5/8"
 Price, per dozen,
 finished \$24.60 \$30.00
 Price, per dozen, N. P. 28.20 33.60
 Add for china handle,
 per dozen 6.00 6.00

MODERN BRASS GOODS



Plate D914 COMPRESSION "T" HANDLE S. O. T. BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$22.20	\$28.20	
Price, per dozen, N. P.	25.80	31.80	
"T" HANDLE S. O. T. HOSE BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$25.20	\$31.20	
Price, per dozen, N. P.	28.80	34.80	



Plate D915 COMPRESSION LOOSE KEY PLAIN BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$25.20	\$31.20	
Price, per dozen, N. P.	28.80	34.80	



Plate D916 COMPRESSION LOOSE KEY HOSE BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$28.20	\$34.20	
Price, per dozen, N. P.	31.80	37.80	



Plate D917 BOSTON PATTERN TEE HANDLE SELF-CLOSING PLAIN BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$30.60	\$37.20	
Price, per dozen, N. P.	36.60	43.20	



Plate D918 DOHERTY PATTERN SELF-CLOSING PLAIN BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$35.40	\$42.00	
Price, per dozen, N. P.	41.40	48.00	



Plate D919 LEVER HANDLE GROUND KEY PLAIN BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	1"
Price, per dozen, rough	\$21.00	\$29.40	\$52.80
Price, per dozen, finished	25.80	35.40	64.80
Price, per dozen, N. P.	30.60	41.40	76.80
Add for hose end, per dozen	3.00	3.00	7.20



Plate D920 TEE HANDLE STUB PATTERN COMPRESSION WASH TRAY BIBBS			
Size	$\frac{1}{2}$ "		
Price, per dozen, finished	\$18.60		
Price, per dozen, N. P.	22.20		
Add for hose end, per dozen	3.00		



Plate D921 TEE HANDLE LONG PATTERN COMPRESSION WASH TRAY BIBB I. P.			
Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	
Price, per dozen, finished	\$25.80	\$32.40	
Price, per dozen, N. P.	29.40	36.00	



Plate D922 WHEEL HANDLE COMPRESSION STOP COCK I. P. Straight Pattern with Stuffing Box			
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, finished	\$25.20	\$30.00	\$36.60
Price, per dozen, N. P.	28.80	33.60	40.20

D923 STRAIGHT OR ANGLE PATTERN CHINA INDEX FOUR-BALL HANDLE COMPRESSION STOP COCKS I. P. With Stuffing Box			
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, finished	\$29.40	\$33.60	\$39.00
Price, per dozen, N. P.	33.00	37.20	42.60



Plate D924 WHEEL HANDLE COMPRESSION STOP COCK I. P. Angle Pattern with Stuffing Box			
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, finished	\$25.20	\$30.00	\$36.60
Price, per dozen, N. P.	28.80	33.60	40.20



Plate D925 STRAIGHT OR ANGLE PATTERN WHEEL HANDLE COMPRESSION STOP COCKS I. P. And Slip Joint with Stuffing Box			
Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, finished	\$28.20	\$34.80	\$45.60
Price, per dozen, N. P.	31.80	38.40	49.20

MODERN BRASS GOODS



Plate D926

TEE HANDLE COMPRESSION STOP COCK I. P. Straight Pattern

Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, rough	\$14.40	\$17.40	\$22.80
Price, per dozen, finished	16.20	19.80	25.20
Price, per dozen, N. P.	19.80	23.40	28.80
Add for stuffing box, per dozen	4.20	4.80	5.40



Plate D927

TEE HANDLE COMPRESSION STOP COCK I. P. Angle Pattern

Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, rough	\$14.40	\$17.40	\$22.80
Price, per dozen, finished	16.20	19.80	25.20
Price, per dozen, N. P.	19.80	23.40	28.80
Add for stuffing box, per dozen	4.20	4.80	5.40



Plate D928

LOOSE KEY, STRAIGHT OR ANGLE PATTERN COMPRES- SION STOP COCKS I. P.

Size	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price, per dozen, finished	\$21.00	\$25.20	\$31.20
Price, per dozen, N. P.	24.60	28.80	34.80



Plate D929

WHEEL HANDLE COMPRESSION SILL COCKS I. P.

Size	$\frac{1}{2}$ " and $\frac{3}{4}$ "
Price, per dozen, rough, N. P.	\$36.00
Price, per dozen, finished	36.00
Price, per dozen, N. P.	40.20



Plate D930

LOOSE KEY COMPRESSION SILL COCKS I. P.

Size	$\frac{1}{2}$ " and $\frac{3}{4}$ "
Price, per dozen, rough, N. P.	\$39.00
Price, per dozen, finished	39.00
Price, per dozen, N. P.	43.20



Plate D931

ROUGH N. P. COMPRESSION BOILER DRAIN COCKS I. P.

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Price per dozen, tee or wheel handle, male.....	\$19.80	\$22.80
Price per dozen, tee or wheel handle, female....	21.60	24.60



Plate D932

COMPETITION PATTERN WHEEL HANDLE COMPRESSION STOP AND WASTE COCK I. P.

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	1"
Price, per dozen, rough	\$29.40	\$35.40	\$76.80



Plate D933

REVERSIBLE PATTERN WHEEL HANDLE COMPRESSION STOP AND WASTE COCK I. P.

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	1"
Price, per dozen, rough	\$32.40	\$38.40	\$84.00

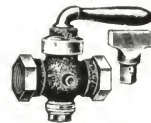


Plate D934

LEVER HANDLE REVERSIBLE PATTERN STOP AND WASTE COCK I. P.

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	1"
Price, per dozen, rough	\$21.60	\$30.00	\$54.00



Plate D935

LEVER HANDLE PLAIN PATTERN STOP AND WASTE COCK I. P.

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	1"
Price, per dozen, rough	\$21.60	\$30.00	\$54.00



Plate D936

TEE HANDLE STOP COCK I. P. Flat Way and Round Way

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "
Price, per dozen, flat way	\$21.00	\$29.40	\$36.00	\$52.80	\$ 89.40
Price, per dozen, round way	26.40	36.00	46.20	73.80	120.60

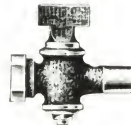


Plate D937

TEE HANDLE STOP COCK L. AND I. P. Flat and Round Way

Size	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "
Price, per dozen, flat way	\$23.40	\$33.00	\$40.80	\$60.00	\$100.20
Price, per dozen, round way	28.80	39.60	51.00	81.00	131.40

MODERN AUTOMATIC WATER HEATERS

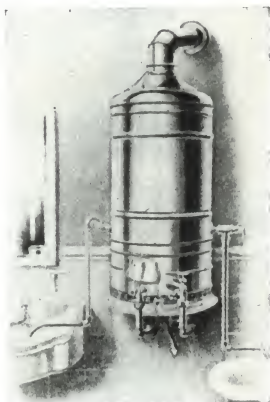


Plate D938

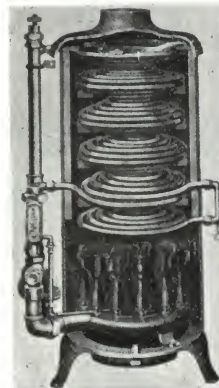


Plate D939

Plate D938

INSTANTANEOUS BATH WATER HEATER—A new and exclusive feature of this heater is the improved pilot lock. This is part of the gas valve and makes it impossible to turn on the gas to the main burner without first turning on gas to the pilot, making a gas explosion impossible. Any kind of gas except acetylene can be used.

No.	Diameter, inches	Height, inches	Gas Supply from meter	Gallons heated per Min. 50 in temperature	*Price Nickel-plated
2	12	36	$\frac{3}{4}$	$2\frac{1}{2}$	\$45.00
†6	12	30	$\frac{3}{4}$	3	35.00
†8	$10\frac{1}{4}$	30	$1\frac{1}{2}$	$2\frac{1}{2}$	30.00

*Price includes gas and water valves and unions, safety pilot lock, one bent outlet spout, white porcelain enameled steel shelf and nickel-plated bracket, no fittings.

†Nos. 6 and 8 are contact heaters; the heated gases come in direct contact with the heated water which is suitable for bath or kitchen use, but not for drinking. The No. 2 is entirely non-contact.

VENTILATING PIPE AND FITTINGS

Price $3\frac{1}{2}$ " Copper Vent Pipe, nickel-plated, per foot	\$0.75
Price $3\frac{1}{2}$ " Copper Extension Thimbles, nickel-plated, each	1.30
Price $3\frac{1}{2}$ " Copper Adjustable Elbows, nickel-plated, each	1.15
Price $3\frac{1}{2}$ " Copper Vent Pipe Collars, nickel-plated, each	.45
Price Galvanized Iron Vent Hoods	2.00

Plate D939

INSTANTANEOUS AUTOMATIC WATER HEATERS For Natural or Manufactured Gas

Size of Heater	Capacity in gallons per minute	Price
No. $2\frac{1}{2}$	$2\frac{1}{2}$ gallons	\$130.00
No. 3	3 gallons	185.00
No. 4	4 gallons	225.00
No. 6	6 gallons	290.00
No. 8	8 gallons	385.00
No. 12	12 gallons	560.00

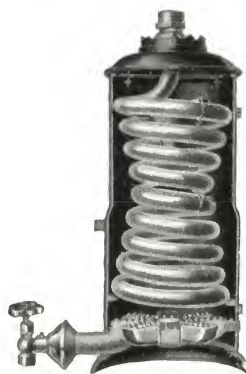
DOMESTIC AUTOMATIC WATER HEATERS For Natural or Manufactured Gas

Size of Heater	Capacity in gallons per minute	Price
No. 270	2 gallons	\$100.00

MODERN TANK HEATERS, ETC.



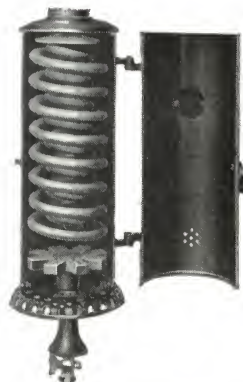
No. 1-A
Plate D940



No. 5-A
Plate D941



No. 20-U
Plate D942



No. 20
Plate D942-A

LAWSON WATER HEATERS

With Steel Jacket and Single Copper Coil

No.	1-A	1½-A	2-A
Height, inches	14	16	18
Diameter, inches	7	7	7
Price, each	\$	\$	\$

LAWSON WATER HEATERS

With Cast Iron Jacket and Single Copper Coil

No.	5-A	6-A	7-A
Height, inches	14½	16½	18½
Diameter, inches	6¼	6¼	6¼
Price, each	\$	\$	\$

LAWSON WATER HEATERS

With Cast Iron Jacket and Double Copper Coil

No.	20-A	20-U	25-U	20
Height, inches	17½	20	21½	22½
Diameter, inches	6½	6½	6½	7
Price, each	\$	\$	\$	\$

LAWSON WATER HEATERS

With Cast Iron Jacket and Triple Copper Coil

No.	30
Height, inches	24
Diameter, inches	8
Price, each	\$

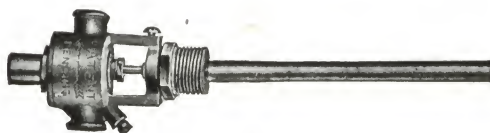


Plate D943

ROBERTSHAW THERMOSTATIC VALVE

No. 2A, List Price, each\$10.00

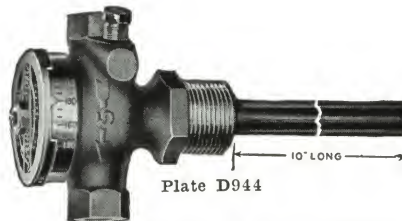


Plate D944

LAWSON THERMOSTATIC VALVES

Price, No. 5A ¾" connection with temperature indicator	\$12.00
Price, No. 10A, ½" connection with temperature indicator	25.00

Plate D945

ROYAL AUTOMATIC COMBINATION BOILER AND HEATER

The Royal Automatic is a combination range boiler and water heater, operating with natural or artificial gas, automatically furnishing a continuous supply of hot water at all times for homes, restaurants, barber shops, and all places where hot water is required. The installation cost is surprisingly low and it heats a maximum quantity of water with minimum gas consumption.

Made in the following sizes:

Size No.	Dimensions	Price
18	12x36"	\$ 59.00
24	12x48"	61.00
30	12x60"	65.00
32	14x48"	70.00
40	14x60"	75.00
42	16x48"	93.00
52	16x60"	102.00
66	18x60"	125.00
82	20x60"	162.00
100	22x60"	187.00
120	24x60"	218.00

Sizes 18, 24, 30, 32 and 40 are equipped with royal ring stand and sediment fittings for drain cock connections. Drain cock extra.

Sizes 42, 52 and 66 are equipped with two spreaders and two burners, set of triangle legs, and sediment fittings. Drain cock extra.

Sizes 82, 100 and 120 are equipped with three spreaders and three burners and set of triangle legs.



Plate D946

HOLYOKE WATER HEATER (Kerosene Oil for Fuel)

Space required for base and reservoir, inches	12x17
Diameter of shell, inches	6
Height, inches	28½
Diameter of base, inches	8
Price, each	\$25.00

MODERN RANGE BOILERS AND BOILER STANDS



Plate D947

GALVANIZED RANGE BOILERS

Standard and Extra Heavy
Working Pressure Standard, up to 85 Pounds
Extra Heavy up to 150 Pounds

Sizes in inches	Nominal Capacity, Gallons	List Price, Standard or Extra Heavy Horizontal or Vertical
12x36	18	\$ 14.50
12x42	21	15.50
12x48	24	15.75
14x36	24	19.00
14x42	28	20.25
16x36	30	21.00
12x60	30	19.00
14x48	32	21.00
14x60	40	24.00
16x48	42	26.00
16x60	52	31.00
18x60	66	38.00
20x60	82	45.50
22x60	100	63.50
24x60	120	72.50
24x72	144	103.00
24x96	192	132.00

Vertical Boilers are regularly tapped with four 1-inch openings and Horizontal Boilers with five 1-inch openings. For all openings in excess of these, an extra charge will be made as follows:

Size, inches	1	1 1/4	1 1/2	2	2 1/2
Price, net each	\$0.25	\$0.50	\$0.50	\$1.00	\$1.50

Any special tappings made at extra charge.

Plate D948

*GALVANIZED RANGE BOILERS With 1" Galvanized Iron Steam Coil One Inch Coils for Range Boilers

Diameter of boiler	12	14	16	18	20	22	24
Price of coil	\$10.50	\$12	\$16	\$18	\$21	\$25	\$30

*To obtain the price of a boiler with coil, add the price of coil to the regular price of boiler of corresponding diameter.

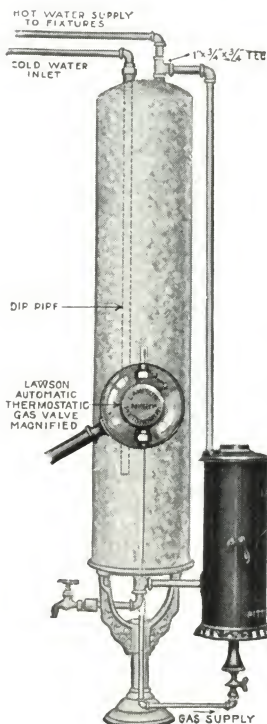


Plate D949

Showing the Proper Method of Connecting Lawson Heater and Thermostatic Valve to Boiler

This is Important. Very often a heater has been condemned or classed as "slow" when the fault was entirely due to improper installation. See that the boiler is equipped with the "dip" pipe on the inside as shown on the illustration and that the cold water supply is connected to it. Reversed connections will destroy the efficiency of the heater. Run the hot water from the heater into the top of the boiler as illustrated and not into the side of the boiler. For the best results use the method of installation shown.



Plate D950

DIP PIPE FOR RANGE BOILERS

Price, Galvanized, each	\$2.00
Price, Brass, each	5.00



Plate D951

STERLING ADJUSTABLE COMBINATION BOILER STAND AND COUPLING

Price, each	\$2.50
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Plate D952

TRIPOD ADJUSTABLE BOILER STAND

No.	1	2	3
For boilers, gallons	30 to 40	52 to 66	82 to 120
Price, each	\$1.25	\$2.00	\$2.75



Plate D953

REGULAR ADJUSTABLE RING BOILER STAND

Ring, inches	12	13	14	15	16
Price, each	\$1.25	\$1.30	\$1.40	\$1.50	\$1.75
Ring, inches	17	18	20	22	24
Price, each	\$1.85	\$2.00	\$2.25	\$2.75	\$3.50

Extension pieces to raise regular stands to 30" add \$0.50 each net.

MODERN BOILER COUPLINGS



Plate D954

BRASS BENT COUPLING

Size, inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain face, male, per doz.	\$12.60	\$16.80	\$22.20
Ground face, male, per doz.	13.80	18.00	23.40
Plain face, female, per doz.	13.20	17.40	22.80
Ground face, female, per doz.	14.40	18.60	24.00



Plate D955

BRASS STRAIGHT COUPLING

Size, inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain face, male, per doz.	\$10.80	\$14.40	\$19.20
Ground face, male, per doz.	12.00	15.60	20.40
Plain face, female, per doz.	11.40	15.00	19.80
Ground face, female, per doz.	12.60	16.20	21.00



Plate D956

OLD STYLE BOILER ELBOW With Union

Size, inches	$\frac{3}{4} \times \frac{3}{4} \times 1$	$\frac{3}{4} \times \frac{1}{2} \times 1$	$\frac{1}{2} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.75	\$0.75	\$0.60



Plate D957

OLD STYLE BOILER COUPLING With Union

Size, inches	$\frac{3}{4} \times \frac{3}{4} \times 1$	$\frac{3}{4} \times \frac{1}{2} \times 1$	$\frac{1}{2} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.75	\$0.75	\$0.60



Plate D958

ROMACO CIRCULATING BOILER ELL

Size, inches	$\frac{3}{4} \times 1$
Price, galvanized, each	\$.....



Plate D959

NEW STYLE BOILER ELBOW With Union

Size, inches	$\frac{3}{4} \times \frac{3}{4} \times 1$	$\frac{3}{4} \times \frac{1}{2} \times 1$	$\frac{1}{2} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.75	\$0.75	\$0.60



Plate D960

NEW STYLE BOILER COUPLING With Union

Size, inches	$\frac{3}{4} \times \frac{3}{4} \times 1$	$\frac{3}{4} \times \frac{1}{2} \times 1$	$\frac{1}{2} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.75	\$0.75	\$0.60



Plate D961

CIRCULATING BOILER TEE Plain

Size, inches	$\frac{3}{4} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.50



Plate D962

CIRCULATING BOILER TEE With Union

Size, inches	$\frac{3}{4} \times \frac{1}{2} \times 1$
Price, galvanized, each	\$0.55

MODERN BATH ROOM HEATERS

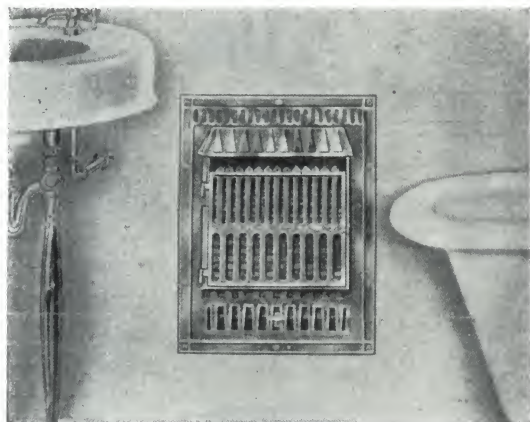


Plate D963

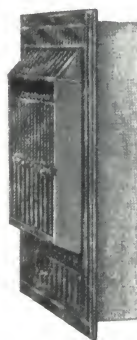


Plate D963A

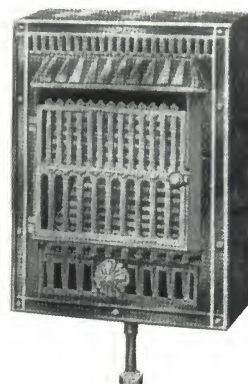


Plate D964

THE Modern Bath Room Heater with colonial design front, fitted with a door for convenience in lighting without danger of being burned. Insert style is constructed to be used in the regular wood partition, tiled or plastered wall, set about 14 or 18 inches from floor. It is flueless and odorless, as the flames come in contact with nothing but air (thereby eliminating asbestos and other artificial substances commonly used in all other types of heaters). Its construction is such as to make it entirely free from any danger whatsoever from fire, the body of the heater being lined both inside and outside with heavy asbestos, as well as having a large circulating cold air space around the inner frame which contains the burner.

The burner is made with imported lava tips and is fitted with an adjustable check for regulating the combustion on the different pressures of gas. No air mixer is used as the gas comes in contact with the air upon escaping through the small lava tips; it mixes and purifies itself, leaving no odor whatever.

This heater is equipped with lower corrugated copper reflectors and an upper corrugated deflector, also upper reflector and baffle plate on the east door for directing the product of combustion back of the point where it comes in direct contact with the air drawn from the floor, which greatly purifies it.

This method of heating a bath room is not only convenient, but very economical and safe, doing away with the objectionable bath room stove.

Insert style is furnished for outside connection unless otherwise specified.

Plate D963—D963A

Insert Style

Size—Front, 14" wide, 18" high. Body, 13" wide, 17" high. 4" deep.

Price, nickel\$
Price, Japanese bronze or bright brass

Plate D964

Hanging Style

Size—14" wide, 18" high, 4 $\frac{3}{8}$ " deep.

Price, nickel\$
Price, Japanese bronze or bright brass

MODERN GARAGE HEATERS

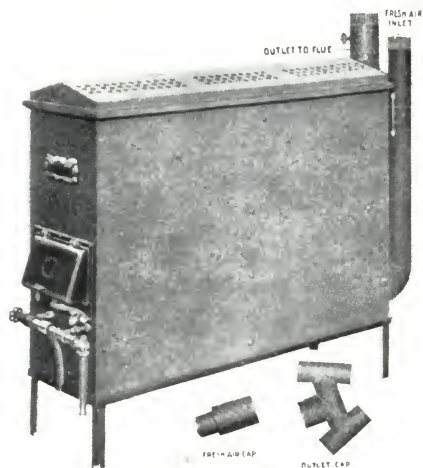


Plate D965 No. 1

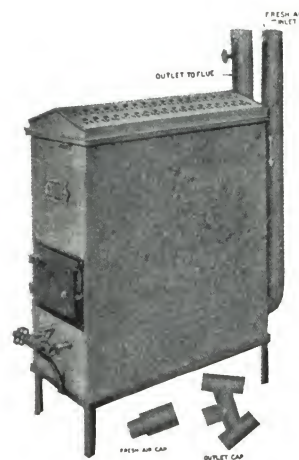


Plate D966 No. 2

NO. 1 MODERN GARAGE HEATER

AN efficient air-tight furnace consisting of a combustion chamber and tubular radiator which are secured inside a heavy galvanized casing lined with heavy asbestos board, combustion chamber contains a single piece cast iron drilled burner, a basket of patent English fuel and a small pilot light. Perfect combustion takes place inside this chamber and every unit of heat is liberated ere the products escape through the exit pipe. All the air consumed by the heater enters through an intake pipe from a safe place outside the building, no gases or fumes can possibly enter, so its safety is insured. No gases or air from the inside of the building can enter the heater at any time. The heater is provided with an automatic self-locking gas proof door which need be opened but once during the cold season to light the pilot which uses so little gas as not to deserve consideration, an adjustable spud is attached to the valve and this regulates the flame and gas pressure at all times so that there is no danger of overheating when left to burn over night. No matches are needed after the first lighting hence the danger attending their use is removed.

D965—The No. 1 should heat a garage of 5000 or 6000 cubic feet.

OTHER USES

Paint manufacturers, using much inflammable oil; florists, requiring fumeless heating; dyers and cleaners as well as many others will find this heater ideally suited to their needs.

No. 2 Modern Garage Heater is the same as the No. 1 but for use in smaller buildings.

D966—The No. 2 should heat a garage of 2000 or 3000 cubic feet.

Size No. 1—Height, 37½"; width, 13"; length, 41". Price, \$

Size No. 2—Height, 36½"; width, 13"; length, 27". Price, \$

Furnished complete with 2 elbows, 2 lengths pipe, 1 cast iron damper and 2 rain caps (especially designed to prevent down drafts).

MODERN GARAGE FLOOR DRAINS

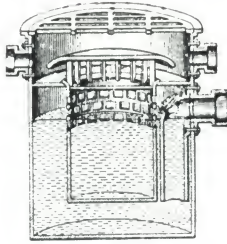


Plate D967

MODERN GARAGE FLOOR DRAIN

Large Size Drain for Public or Large Garages

Diameter of top, inches	20	20	20	20
Size of waste outlet, inches	4	4	4	4
Depth overall, inches	30	38	46	54
Vent hub connections, inches.....	2	2	2	2
Price, iron top and strainer, each.....	\$50.00	\$65.00	\$80.00	\$95.00

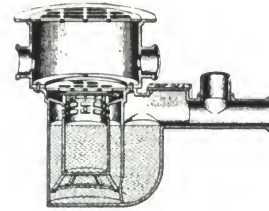


Plate D968

MODERN GARAGE FLOOR DRAIN

Especially Designed for Use in Small Garages

Water seal, inches	5
Size of outlet, inches	4
Size of vent hub connections, inches	2
Diameter of top, inches	15
Depth overall, inches	22
Length overall, inches	24
Price, iron top and strainer, each	\$25.00

MODERN VEHICLE WASHERS AND EXTENSION REELS

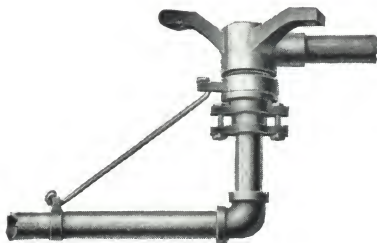


Plate D869

MODERN OVERHEAD VEHICLE WASHER

Is constructed of brass with the exception of piping and ceiling flange. It is impossible for the Modern Washer to leak as it grinds its own seat when revolving. Iron washers of which there are many in use soon rust, become pitted and are easily broken. Being constructed of brass on the correct principle, the modern washer cannot deteriorate in this way.

Price, each\$10.00

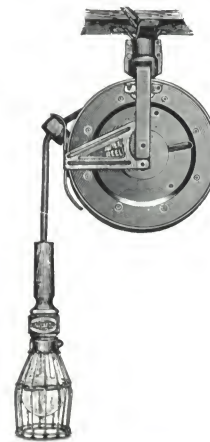


Plate D970

MODERN AUTOMATIC EXTENSION REEL For Electric Lamps

This automatic reel is for use in any and all places where an extension lamp is required, including industrial plants, mines, mills, garages, loading platforms, etc., etc.

It is also largely used with power units, such as portable drills, grinders, chippers, etc. The reel is provided with a swivel joint, enabling the lamp to be carried in any direction. An automatic lock permits of a positive stop at any desired point. To rewind simply give a slight pull on cord.

Its actual size is nine and one-half inches in diameter by two inches in width and is equipped with twenty-five feet of reinforced weather-proof cord. (No globe is furnished with reel.)

Price complete as described, No. 6\$15.00
Price complete as described, No. 6-6 25.00

Note—No. 6-6 reel is 12 inches in diameter and carries 50 feet of cord.

MODERN FLOOR DRAINS

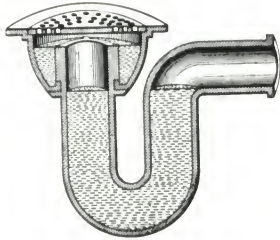


Plate D971

ADJUSTABLE FLOOR DRAIN

With Continuous Pipe Trap (no partitions)

Depth of water seal, inches	4	4	4
Size of outlets, inches	2	3	4
Diameter of top, inches	8	9	12
Depth overall, inches	10	13	15
Length overall, inches	12	14	21
Receiver above outlet of trap, inches	2	2	2
Price, iron top and strainer, each	\$ 2.00	\$ 4.00	\$ 6.00
Price, brass finished top and strainer, each	7.00	10.00	14.00
Price, nickel-plated brass top and strainer, each	9.00	12.00	17.00

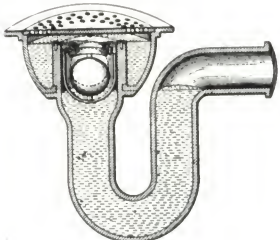


Plate D972

ADJUSTABLE FLOOR DRAIN

With Continuous Pipe Trap (no partitions) With the Only Reliable Automatic Back Water Valve

Water seal, inches	4	4	4
Size of outlets, inches	2	3	4
Diameter of top, inches	9	10	12
Depth overall, inches	11	13	15
Length overall, inches	13	14	21
Receiver above outlet of trap, inches	2	2	2
Price, iron top and strainer, each	\$ 7.00	\$ 9.00	\$12.00
Price, brass finished top and strainer, each	13.00	16.00	20.00
Price, nickel-plated brass top and strainer, each	15.00	18.00	23.00

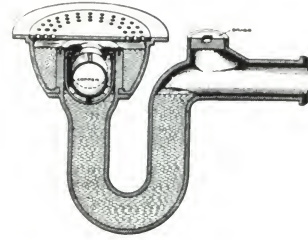


Plate D973

ADJUSTABLE FLOOR DRAIN

With Continuous Pipe Trap (no partitions) With Large Brass Taper-Threaded Clean-out Plug, With the Only Reliable Automatic Back Water Valve

Water seal, inches	4	4	4
Size of outlets, inches	2	3	4
Diameter of top, inches	9	10	12
Depth overall, inches	11	13	15
Length overall, inches	18	20	22
Receiver above outlet of trap, inches	2	2	2
Price, iron top and strainer, each	\$ 8.00	\$11.00	\$15.00
Price, finished brass top and strainer, each	14.00	18.00	23.00
Price, nickel-plated brass top and strainer, each	16.00	20.00	26.00

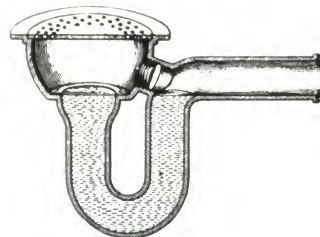


Plate D974

ADJUSTABLE ONE-PIECE FLOOR DRAIN

With Continuous Pipe Trap (no partitions) With Large Brass Taper-Threaded Clean-out Plug in Receiver (no gaskets)

Water seal, inches	4	4	4
Size of outlets, inches	2	3	4
Size of brass clean-out plugs, inches	1½	1½	1½
Diameter of top, inches	9	10	12
Length overall, inches	18	20	24
Receiver above outlet, inches	2	2	2
Price, iron top and strainer, each	\$ 3.50	\$ 6.00	\$ 9.00
Price, finished brass top and strainer, each	9.50	13.00	17.00
Price, nickel-plated brass top and strainer, each	11.50	15.00	20.00

MODERN ROOF AND FLOOR DRAINS

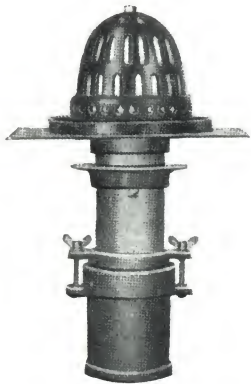


Plate D975

MODERN ROOF CONNECTION

Thickness of roof	Length of connection	For 3" Pipe	For 4" Pipe	For 5" Pipe	For 6" Pipe
1"	10"	\$14.50	\$15.50	\$19.00	\$22.50
1"—3"	12"	15.30	16.50	20.20	24.10
3"—5"	14"	16.10	17.50	21.40	25.70
5"—7"	16"	16.90	18.50	22.60	27.30
7"—9"	18"	17.70	19.50	23.80	28.90

For roofs thicker than above each additional inch of roof thickness requires an additional inch of roof connection. For each additional inch, add

.40 .50 .60 .80

For cast brass strainer

add 1.50 1.50 2.75 2.75

For aluminum strainer

add 2.40 2.40 3.75 3.75

Size of opening in roof to receive connection

4" 5" 6" 7"



Plate D976

MODERN CELLAR DRAIN

Size of bowl, inches	8
Size of outlet, inches	4
Depth of seal, inches	6
Price, each	\$5.00



Plate D977

REFRIGERATOR DRAIN Outlet Tapped 1 1/4" Iron Pipe Thread

Painted iron, each	\$0.70
Galvanized iron, each	1.40
Rough brass, each	2.00
Polished brass, each	3.00
Nickel-plated brass, each	3.50



Plate D978

COMBINED FLOOR DRAIN AND TRAP With Cast Brass Body and Double Cover

Size of outlet, inches	2
Diameter of top, inches	9
Depth, inches	8
Price, polished brass top, strainer and cover, each	\$10.25
Price, nickel-plated brass top, strainer and cover, each	10.75



Plate D979

COMBINED FLOOR DRAIN AND TRAP With Cast Brass Body and Single Cover

Size of outlet, inches	2
Diameter of top, inches	9
Depth, inches	8
Price, polished brass top, strainer and cover, each	\$7.75
Price, nickel-plated top, strainer and cover, each	8.25

MODERN ROOF AND FLOOR DRAINS



Plate D980

CAST IRON DOUBLE DRAINAGE ROOF DRAIN With Combined Sediment Cup and Strainer

For use on concrete roofs; tapped standard iron pipe thread, also furnished with soil pipe ends of all sizes.

2", 3" or 4" outlet. Price, each	\$12.00
5" outlet. Price, each	14.00
6" outlet. Price, each	16.00
8" outlet. Price, each	20.00

Soil Pipe Connectors extra (as listed).

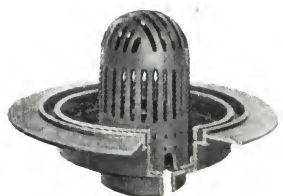


Plate D981

CAST IRON ROOF DRAIN With Removable Sediment Cup, for Wood Roofs

2", 3" or 4" outlet. Price, each	\$16.00
5" outlet. Price, each	18.00
6" outlet. Price, each	20.00
8" outlet. Price, each	28.00

Soil Pipe Connectors extra (as listed).



Plate D982

DOUBLE DRAINAGE DRAIN With Cast Iron Body and Nickel-Plated Adjustable Strainer and Collar

For use with concrete, tile, marble or any composition floor.

Strainer	Outlet	Price
4"	2"	\$11.00
5"	2"	12.00
6"	2"	13.00

Size

2" Price, each	\$0.70
3" Price, each	1.25
4" Price, each	1.40



Plate D983

DOUBLE DRAINAGE COMBINED TRAP AND DRAIN With Cast Iron Body and Nickel-Plated Adjustable Strainer and Collar

Especially adapted for shower, urinal and floor drains for floors of concrete, tile, cement, marble or any composition floor.

Strainer	Outlet	Price
4"	1 1/2"	\$10.50
5"	1 1/2"	11.50
4"	2"	11.50
5"	2"	12.00
6"	1 1/2"	12.50
6"	2"	13.00
5"	3"	15.00
6"	3"	16.00
6"	4"	19.00
7"	4"	21.00
8"	4"	23.00

Made with hub and screw outlet.



Plate D984

DOUBLE DRAINAGE DRAIN OUTLET Without Trap

For porcelain urinals or shower stalls, with cast iron body and nickel-plated strainer and collar.

Strainer	Outlet	Price
4"	2"	\$6.80
5"	3"	9.60

Strainers furnished concave, convex or flat, and same can be adjusted to suit variation of floor thickness.

Soil Pipe Connectors extra (as listed).



Plate D985

GARAGE DRAIN

With Heavy Non-Tilting Removable Grate, Special Brass Clean-out Plug Flush with Floor and with Positive Means for Removal—Large Sediment Basin with Trap and without Pockets for Sediment Deposits

Grate	Outlet	Price
14"	4"	\$32.00

SOIL PIPE CONNECTORS

Size

5" Price, each	\$1.60
6" Price, each	1.80
8" Price, each	2.50

MODERN CESSPOOLS, ETC.



Plate D986

CAST IRON CESSPOOL

With Bell Trap

Standard

Size, inches	6x6	9x9	13x13
Price, each	\$0.75	\$1.00	\$2.50
Price, with hinged strainer, each	1.00	1.35	3.00

Extra Heavy

Size, inches	6x6	9x9	13x13
Price, each	\$1.25	\$1.50	\$3.75
Price, with hinged strainer, each	1.50	1.85	4.25

With Bell Trap and Square Bar Grating

Size, inches	14
Price, each, standard	\$3.50



Plate D987

CAST IRON HYDRANT CESSPOOLS

With Bell Trap

Size, inches	12x12x6	14x14x6
Price, with trap for 2" pipe, each	\$1.50	\$1.65
Price, plain, for 4" pipe, each	1.00	1.15
Size, inches	16x16x6	18x18x6
Price, with trap for 2" pipe, each	\$1.80	\$2.10
Price, plain, for 4" pipe, each	1.30	1.60

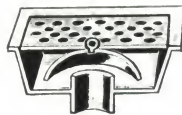


Plate D988

CAST IRON CELLAR CESSPOOLS

With Cover and Bell Trap

Size, inches	9x9	12x12
Price, painted, each	\$1.25	\$1.60
Price, galvanized, each	2.50	3.25



Plate D989

HEAVY CAST IRON STABLE CESSPOOLS

With Bell Trap and Grating

Size, inches	12x12x10	16x16x10	18x18x10
Price, painted	\$3.75	\$4.50	\$10.00
Price, galvanized	7.50	10.00	20.00



Plate D990

IMPROVED STYLE CAST IRON SLOP HOPPERS

With Strainer and Bell Trap

Size, inches	12x12	14x14	16x16
Price, painted	\$2.00	\$2.25	\$2.50
Price, galvanized	3.25	3.75	4.25



Plate D991

CAST BRASS BELL TRAPS

With Iron Pipe Thread, Male or Female

Rough

Size, inches	6x6	9x9	13x13
Price, each	\$5.25	\$10.75	\$19.75

Nickel-plated

Size, inches	6x6	9x9	13x13
Price, each	\$6.00	\$13.00	\$22.25

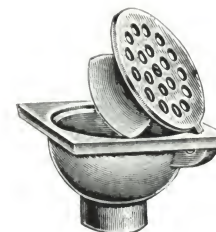


Plate D992

CAST BRASS BELL TRAPS

Without Thread

Rough

Size, inches	6x6	9x9	13x13
Price, each	\$4.75	\$9.75	\$18.00

Nickel-plated

Size, inches	6x6	9x9	13x13
Price, each	\$5.25	\$11.75	\$20.50

IDEAL-ARCOLA RADIATOR BOILER



Plate D1201

THE Ideal-Arcola outfits afford the pleasure of ample, cleanly, healthful and fuel-saving radiator heat at a minimum cost. It insures a uniform and comfortable temperature in all rooms in all kinds of weather.

The Ideal-Arcola is unique, in that it serves both as a boiler and a radiator. It requires no basement; it heats the room in which it stands and the surplus heat is piped to hot water radiators placed in other rooms.

The outfit is shipped in crate completely assembled, ready to be set in place. The entire heating outfit can be installed in any occupied building in a short time, without annoyance or disturbance. In operation, the Ideal-Arcola is cleanly and requires but a minimum of attention.

LIST OF IDEAL-ARCOLA OUTFITS

Outfits consist of Ideal-Arcola Boiler, Regular 38-inch high American Peerless 3-column Radiators as listed below, Expansion Tank and Drain Valve.

Coal Burning Outfit No.	Gas Burning Outfit No.		Prices
1-PA-75	1-GA-75	Consists of No. 1 Ideal-Arcola with 75 Sq. Ft. of Radiation	Prices on Application.
1-PA-100	1-GA-100	Consists of No. 1 Ideal-Arcola with 100 Sq. Ft. of Radiation	
1-PA-125	1-GA-125	Consists of No. 1 Ideal-Arcola with 125 Sq. Ft. of Radiation	
1-PA-150	1-GA-150	Consists of No. 1 Ideal-Arcola with 150 Sq. Ft. of Radiation	
2-PA-175	2-GA-175	Consists of No. 2 Ideal-Arcola with 175 Sq. Ft. of Radiation	
2-PA-200	2-GA-200	Consists of No. 2 Ideal-Arcola with 200 Sq. Ft. of Radiation	
2-PA-225	2-GA-225	Consists of No. 2 Ideal-Arcola with 225 Sq. Ft. of Radiation	
3-PA-250	3-GA-250	Consists of No. 3 Ideal-Arcola with 250 Sq. Ft. of Radiation	
3-PA-275	3-GA-275	Consists of No. 3 Ideal-Arcola with 275 Sq. Ft. of Radiation	
3-PA-300	3-GA-300	Consists of No. 3 Ideal-Arcola with 300 Sq. Ft. of Radiation	
4-PA-325	4-GA-325	Consists of No. 4 Ideal-Arcola with 325 Sq. Ft. of Radiation	
4-PA-350	4-GA-350	Consists of No. 4 Ideal-Arcola with 350 Sq. Ft. of Radiation	
4-PA-375	4-GA-375	Consists of No. 4 Ideal-Arcola with 375 Sq. Ft. of Radiation	
5-PA-400	5-GA-400	Consists of No. 5 Ideal-Arcola with 400 Sq. Ft. of Radiation	
5-PA-425	5-GA-425	Consists of No. 5 Ideal-Arcola with 425 Sq. Ft. of Radiation	
5-PA-450	5-GA-450	Consists of No. 5 Ideal-Arcola with 450 Sq. Ft. of Radiation	

Radiation will be made up in any number of radiators desired. Any additional quantity of radiation will be furnished at extra charge. No radiator valves or air valves are necessary but will be furnished, if desired, at extra charge.

MODERN ROUND BOILERS



D1202



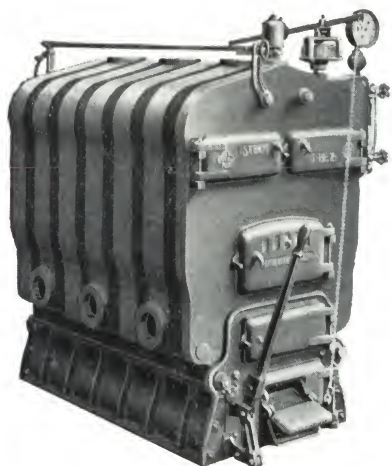
D1203

STEAM									WATER								
Boiler No.	8 hr. rating sq. ft.	Nom. diam. grate in.	Grate area sq. ft.	Height water line inches	Height (to top) outlet inches	Outlets No. and size	Inlets No. and size	*Safety valve size inches	Boiler No.	8 hr. rating sq. ft.	Nom. diam. grate inches	Grate area sq. ft.	Height water line inches	Height (to top) outlet inches	Outlets No. and size	Inlets No. and size	*Safety valve size inches
3-19-S	385	19	1.76	40 $\frac{7}{8}$	47 $\frac{7}{8}$	1-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	1	3-19-W	635	19	1.76	41 $\frac{1}{4}$	2-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	.....	.....
3-20-S	450	20	2.23	41 $\frac{1}{8}$	46 $\frac{1}{8}$	1-3	2-3	1	3-20-W	740	20	2.23	41	2-3	2-3	.....	.....
3-22-S	535	22	2.40	42 $\frac{1}{4}$	49 $\frac{1}{4}$	1-3	2-3	1 $\frac{1}{4}$	3-22-W	880	22	2.40	42 $\frac{3}{4}$	2-3	2-3	.....	.....
3-23-S	610	23	2.91	41 $\frac{1}{8}$	48 $\frac{1}{8}$	1-3	2-3	1 $\frac{1}{2}$	3-23-W	1000	23	2.91	41 $\frac{3}{4}$	2-3	2-3	.....	.....
3-25-S	700	25	3.14	42 $\frac{3}{4}$	50 $\frac{1}{2}$	1-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	1 $\frac{1}{2}$	3-25-W	1155	25	3.14	43 $\frac{3}{8}$	2-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	.....	.....
3-28-S	900	28	4.12	44	52 $\frac{5}{8}$	1-4	2-4	2	3-28-W	1485	28	4.12	45 $\frac{5}{8}$	2-4	2-4	.....	.....
3-31-S	1125	31	4.90	45 $\frac{5}{8}$	54 $\frac{3}{8}$	1-4	2-4	2	3-31-W	1860	31	4.90	47 $\frac{3}{4}$	2-4	2-4	.....	.....
3-34-S	1375	34	5.94	46 $\frac{3}{8}$	55 $\frac{7}{8}$	1-5	2-5	2	3-34-W	2270	34	5.94	48 $\frac{5}{8}$	2-5	2-5	.....	.....
4-19-S	410	19	1.76	45 $\frac{1}{2}$	52 $\frac{1}{2}$	1-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	1	4-19-W	675	19	1.76	45 $\frac{7}{8}$	2-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	.....	.....
4-20-S	480	20	2.23	46 $\frac{1}{8}$	51 $\frac{1}{2}$	1-3	2-3	1	4-20-W	790	20	2.23	45 $\frac{1}{2}$	2-3	2-3	.....	.....
4-22-S	570	22	2.40	47	54	1-3	2-3	1 $\frac{1}{4}$	4-22-W	940	22	2.40	47 $\frac{5}{8}$	2-3	2-3	.....	.....
4-23-S	650	23	2.91	46 $\frac{5}{8}$	52 $\frac{3}{4}$	1-3	2-3	1 $\frac{1}{2}$	4-23-W	1065	23	2.91	46 $\frac{7}{8}$	2-3	2-3	.....	.....
4-25-S	750	25	3.14	47 $\frac{7}{8}$	55 $\frac{5}{8}$	1-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	1 $\frac{1}{2}$	4-25-W	1240	25	3.14	48 $\frac{3}{4}$	2-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	.....	.....
4-28-S	965	28	4.12	49 $\frac{1}{4}$	57 $\frac{5}{8}$	1-4	2-4	2	4-28-W	1590	28	4.12	50 $\frac{3}{4}$	2-4	2-4	.....	.....
4-31-S	1200	31	4.90	51	59 $\frac{3}{4}$	1-4	2-4	2	4-31-W	1980	31	4.90	53 $\frac{1}{8}$	2-4	2-4	.....	.....
4-34-S	1465	34	5.94	52	61 $\frac{1}{2}$	1-5	2-5	2	4-34-W	2415	34	5.94	54 $\frac{1}{4}$	2-5	2-5	.....	.....
5-19-S	430	19	1.76	50	57	1-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	1	5-19-W	710	19	1.76	50 $\frac{3}{8}$	2-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	.....	.....
5-20-S	500	20	2.23	50 $\frac{3}{4}$	56 $\frac{1}{8}$	1-3	2-3	1 $\frac{1}{4}$	5-20-W	825	20	2.23	50 $\frac{1}{8}$	2-3	2-3	.....	.....
5-22-S	600	22	2.40	51 $\frac{1}{2}$	58 $\frac{1}{2}$	1-3	2-3	1 $\frac{1}{2}$	5-22-W	990	22	2.40	52	2-3	2-3	.....	.....
5-23-S	685	23	2.91	51 $\frac{3}{8}$	57 $\frac{9}{16}$	1-3	2-3	1 $\frac{1}{2}$	5-23-W	1130	23	2.91	51 $\frac{3}{8}$	2-3	2-3	.....	.....
5-25-S	800	25	3.14	52 $\frac{1}{2}$	60 $\frac{1}{4}$	1-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	1 $\frac{1}{2}$	5-25-W	1320	25	3.14	53 $\frac{1}{2}$	2-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	.....	.....
5-28-S	1025	28	4.12	54 $\frac{1}{4}$	62 $\frac{5}{8}$	1-4	2-4	2	5-28-W	1690	28	4.12	55 $\frac{3}{4}$	2-4	2-4	.....	.....
5-31-S	1275	31	4.90	56 $\frac{1}{4}$	65	1-4	2-4	2	5-31-W	2100	31	4.90	58 $\frac{1}{4}$	2-4	2-4	.....	.....
5-34-S	1550	34	5.94	57 $\frac{1}{2}$	67	1-5	2-5	2	5-34-W	2555	34	5.94	59 $\frac{5}{8}$	2-5	2-5	.....	.....
6-19-S	450	19	1.76	54 $\frac{5}{8}$	61 $\frac{5}{8}$	1-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	1 $\frac{1}{4}$	6-19-W	740	19	1.76	55	2-2 $\frac{1}{2}$	2-2 $\frac{1}{2}$	.....	.....
6-20-S	520	20	2.23	55 $\frac{5}{8}$	60 $\frac{1}{2}$	1-3	2-3	1 $\frac{1}{4}$	6-20-W	860	20	2.23	54 $\frac{3}{4}$	2-3	2-3	.....	.....
6-22-S	630	22	2.40	56 $\frac{1}{4}$	63 $\frac{1}{4}$	1-3	2-3	1 $\frac{1}{2}$	6-22-W	1040	22	2.40	56 $\frac{7}{8}$	2-3	2-3	.....	.....
6-23-S	715	23	2.91	56 $\frac{1}{8}$	62 $\frac{1}{4}$	1-3	2-3	1 $\frac{1}{2}$	6-23-W	1180	23	2.91	55 $\frac{7}{8}$	2-3	2-3	.....	.....
6-25-S	835	25	3.14	57 $\frac{5}{8}$	65 $\frac{3}{8}$	1-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	1 $\frac{1}{2}$	6-25-W	1375	25	3.14	58 $\frac{5}{8}$	2-3 $\frac{1}{2}$	2-3 $\frac{1}{2}$	.....	.....
6-28-S	1070	28	4.12	59 $\frac{1}{2}$	67 $\frac{7}{8}$	1-4	2-4	2	6-28-W	1765	28	4.12	60 $\frac{7}{8}$	2-4	2-4	.....	.....
6-31-S	1330	31	4.90	61 $\frac{1}{8}$	70 $\frac{3}{8}$	1-4	2-4	2	6-31-W	2195	31	4.90	63 $\frac{3}{4}$	2-4	2-4	.....	.....
6-34-S	1615	34	5.94	63 $\frac{1}{8}$	72 $\frac{5}{8}$	1-5	2-5	2	6-34-W	2665	34	5.94	65 $\frac{1}{4}$	2-5	2-5	.....	.....

PRICES ON APPLICATION

Note—First numeral of boiler number represents the number of sections; second numerals represent the diameter of grate; the letters represent whether steam or water.

MODERN SECTIONAL BOILERS



D1204



D1205

STEAM

No.	8 hr. ratings sq. ft.	List price complete	Length total inches	Grate area sq. ft.	Water line inches	*Outlets inches	Ash-pit (in- side) inches
Z-15-4	300	\$157.00	40 7/8	1.95	40 7/8	2-3	20 1/8 x 21 5/8
Z-15-5	425	210.00	47 1/8	2.60	40 7/8	2-3	20 1/8 x 27 1/8
Z-15-6	550	245.00	53 3/8	3.25	40 7/8	2-3	20 1/8 x 34 1/8
Inclusive of trimmings—Height, 53 1/2"; width, 34 1/2".							
Z-19-5	600	\$259.00	51 3/4	3.32	43 3/8	2-3	20 x 29 1/8
Z-19-6	750	325.00	58 3/8	4.15	43 3/8	2-3	20 x 36 5/8
Z-19-7	900	370.00	65	4.98	43 3/8	3-3	20 x 43 1/8
Inclusive of trimmings—Height, 55 3/4"; width, 38".							
Z-22-5	800	\$340.00	53 1/4	4.08	46 1/4	2-4	23 1/8 x 31 1/8
Z-22-6	1000	400.00	60 1/4	5.10	46 1/4	2-4	23 1/8 x 38 7/8
Z-22-7	1200	460.00	67 1/4	6.12	46 1/4	3-4	23 1/8 x 45 1/8
Inclusive of trimmings—Height, 59 1/2"; width, 42".							
Z-25-5	1100	\$430.00	59 1/4	5.44	51	2-4	28 x 35 3/8
Z-25-6	1350	505.00	66 7/8	6.80	51	2-4	28 x 42 7/8
Z-25-7	1600	580.00	74 1/2	8.16	51	3-4	28 x 50 3/8
Z-25-8	1850	655.00	82 1/4	9.52	51	3-4	28 x 58 1/4
Inclusive of trimmings—Height, 64 1/8"; width, 47 1/4".							
Z-28-5	1300	\$490.00	60	6.24	53 3/8	2-4	30 5/8 x 35 1/2
Z-28-6	1625	587.00	68	7.80	53 3/8	2-4	30 5/8 x 43 1/2
Z-28-7	1950	684.00	76	9.36	53 3/8	3-4	30 5/8 x 51 1/2
Z-28-8	2275	781.00	84	10.92	53 3/8	3-4	30 5/8 x 59 1/2
Inclusive of trimmings—Height, 67 1/8"; width, 50 1/2".							
Z-36-5	2100	\$730.00	69 3/4	9.12	60 3/4	2-5	38 1/8 x 40 3/4
Z-36-6	2625	845.00	78 3/8	11.40	60 3/4	2-5	38 1/8 x 49 7/8
Z-36-7	3150	960.00	88	13.68	60 3/4	3-5	38 1/8 x 59
Z-36-8	3675	1075.00	97 1/8	15.96	60 3/4	3-5	38 1/8 x 68 1/8
Z-36-9	4200	1190.00	106 1/4	18.24	60 3/4	4-5	38 1/8 x 77 1/4
Inclusive of trimmings—Height, 76 1/4"; width, 60".							
Z-48-6	5275	\$1395.00	92	18.00	72	2-6	52 x 54 1/2
Z-48-7	6300	1600.00	102 3/4	21.60	72	2-6	52 x 65 1/4
Z-48-8	7325	1805.00	113 1/2	25.20	72	3-6	52 x 76
Z-48-9	8350	2010.00	124 1/4	28.80	72	3-6	52 x 86 3/4
Z-48-10	9375	2215.00	135	32.40	72	3-6	52 x 97 1/2
Inclusive of trimmings—Height, 97"; width, 80".							

WATER

No.	8 hour ratings sq. ft.	List price complete	Length total inches	Grate area sq. ft.	Water line inches	*Outlets inches	Ash-pit (in- side) inches
W-15-4	500	\$147.00	40 7/8	1.95	.....	2-3	20 1/8 x 21 5/8
W-15-5	700	200.00	47 1/8	2.60	.....	2-3	20 1/8 x 27 1/8
W-15-6	900	235.00	53 3/8	3.25	.....	2-3	20 1/8 x 34 1/8
W-19-5	1000	\$249.00	51 3/4	3.32	.....	2-3	20 x 29 1/8
W-19-6	1250	315.00	58 3/8	4.15	.....	2-3	20 x 36 5/8
W-19-7	1500	360.00	65	4.98	.....	3-3	20 x 43 1/8
W-22-5	1300	\$330.00	53 1/4	4.08	.....	2-4	23 1/8 x 31 1/8
W-22-6	1650	390.00	60 1/4	5.10	.....	2-4	23 1/8 x 38 7/8
W-22-7	2000	450.00	67 1/4	6.12	.....	3-4	23 1/8 x 45 1/8
W-25-5	1825	\$420.00	59 1/4	5.44	.....	2-4	28 x 35 3/8
W-25-6	2225	495.00	66 7/8	6.80	.....	2-4	28 x 42 7/8
W-25-7	2650	570.00	74 1/2	8.16	.....	3-4	28 x 50 3/8
W-25-8	3050	645.00	82 1/4	9.52	.....	3-4	28 x 58 1/4
W-28-5	2150	\$480.00	60	6.24	.....	2-4	30 5/8 x 35 1/2
W-28-6	2675	577.00	68	7.80	.....	2-4	30 5/8 x 43 1/2
W-28-7	3200	674.00	76	9.36	.....	3-4	30 5/8 x 51 1/2
W-28-8	3725	761.00	84	10.92	.....	3-4	30 5/8 x 59 1/2
W-36-5	3450	\$710.00	69 3/4	9.12	.....	2-5	38 1/8 x 40 3/4
W-36-6	4325	825.00	78 3/8	11.40	.....	2-5	38 1/8 x 49 7/8
W-36-7	5200	940.00	88	13.68	.....	3-5	38 1/8 x 59
W-36-8	6050	1055.00	97 1/8	15.96	.....	3-5	38 1/8 x 68 1/8
W-36-9	6925	1170.00	106 1/4	18.24	.....	4-5	38 1/8 x 77 1/4
W-48-6	8700	\$1375.00	92	18.00	.....	2-6	52 x 54 1/2
W-48-7	10375	1580.00	102 3/4	21.60	.....	2-6	52 x 65 1/4
W-48-8	12050	1785.00	113 1/2	25.20	.....	3-6	52 x 76
W-48-9	13725	1990.00	124 1/4	28.80	.....	3-6	52 x 86 3/4
W-48-10	15400	2195.00	135	32.40	.....	3-6	52 x 97 1/2
*For each outlet there are two inlets of same size—one on each side.							

*When additional ash holding space is desired, see foundation preparations in book of "Erecting Directions" accompanying each shipment.

48-inch Steam Boilers are furnished with four 4-inch and 48-inch Water Boilers with four 6-inch return tapings, two on the face of back section, and one on each side of boiler in third section from rear. Back openings must be yoked together so that both halves of boiler may be drained equally. Distance center to center, between return inlets on back section, is 54 inches.

Note—The letter preceding boiler number represents whether steam or water; the first numeral represents the diameter of grate, and second numeral the number of sections.

MODERN SECTIONAL UP-DRAFT BOILERS



D1207

SMOKELESS UP-DRAFT BOILERS

STEAM

Number of Boiler	Rating Sq. Ft.	List Price Complete	Length from Face of Front Sec. to Back of Smokehood, In.	Length of Sections only "L", Inches	Outlets No. and Size Inches	Inlets No. and Size Inches	Grate Area Sq. Ft.
T-36- 5	1750	\$ 682.50	45½	30	1-6	2-4	6.0
T-36- 6	2200	782.50	51½	36	1-6	2-4	7.5
T-36- 7	2650	882.50	57½	42	1-6	2-4	9.0
T-36- 8	3100	982.50	63½	48	1-6	2-4	10.5
T-36- 9	3550	1082.50	69½	54	2-6	2-4	12.0
T-36-10	4000	1182.50	75½	60	2-6	2-4	13.5
T-36-11	4450	1282.50	81½	66	2-6	2-4	15.0
T-36-12	4900	1382.50	87½	72	2-6	2-4	16.5
T-36-13	5350	1482.50	93½	78	2-6	2-4	18.0
T-36-14	5800	1582.50	99½	84	2-6	2-4	19.5
T-48- 6	5275	1448.00	85	57¾	2-6	4-4	18.0
T-48- 7	6300	1653.00	95¾	68½	2-6	4-4	21.6
T-48- 8	7325	1858.00	106½	79¼	3-6	4-4	25.2
T-48- 9	8350	2063.00	117¼	90	3-6	4-4	28.8
T-48-10	9375	2268.00	128	100¾	3-6	4-4	32.4
T-48-11	10400	2473.00	138¾	111½	4-6	4-4	32.4
T-48-12	11425	2678.00	149½	122¼	4-6	4-4	32.4

WATER

						Back	Side	
T-36- 50	2875	\$ 662.50	45½	30	1-6	2-4	.....	6.0
T-36- 60	3600	762.50	51½	36	1-6	2-4	.....	7.5
T-36- 70	4235	862.50	57½	42	1-6	2-4	.....	9.0
T-36- 80	5050	962.50	63½	48	1-6	2-4	.....	10.5
T-36- 90	5775	1062.50	69½	54	2-6	2-4	2-3½	12.0
T-36-100	6500	1162.50	75½	60	2-6	2-4	2-3½	13.5
T-36-110	7225	1262.50	81½	66	2-6	2-4	2-3½	15.0
T-36-120	7950	1362.50	87½	72	2-6	2-4	2-3½	16.5
T-36-130	8675	1462.50	93½	78	2-6	2-4	2-3½	18.0
T-36-140	9400	1562.50	99½	84	2-6	2-4	2-3½	19.5
T-48- 60	8700	1428.00	85	57¾	2-6	2-6	2-6	18.0
T-48- 70	10375	1633.00	95¾	68½	2-6	2-6	2-6	21.6
T-48- 80	12050	1838.00	106½	79¼	3-6	2-6	2-6	25.2
T-48- 90	13725	2043.00	117¼	90	3-6	2-6	2-6	28.8
T-48-100	15400	2248.00	128	100¾	3-6	2-6	2-6	32.4
T-48-110	17075	2453.00	138¾	111½	4-6	2-6	2-6	32.4
T-48-120	18750	2658.00	149½	122¼	4-6	2-6	2-6	32.4

On the 48-inch Smokeless Up-Draft Boilers the center line of all outlets is located 10⅞ inches to the left of the center line of the boiler. Do not bush the flow tappings of steam boilers; connect full size to the main, keeping velocity of steam below 20 feet per second under maximum conditions of load. The return tappings on the back of the 48-inch Smokeless Up-Draft must be yoked together. The center to center distance between these tappings is 54 inches.

The two 3½-inch return inlets on the 36-inch Smokeless Up-Draft are located in Section No. 5 of all assemblages above and including Boiler Number T-36-90.

On Nos. T-36-5 to T-36-14, height with trimmings 77 inches, width with trimmings 55 inches, water line 58 inches.

On Nos. T-48-6 to T-48-12, height with trimmings 97 inches, width with trimmings 80 inches, water line 72 inches.

On Nos. T-36-50 to T-36-140, height to top outlet 68 inches, width 52 inches. On Nos. T-48-60 to T-48-120, height to top outlet 81¾ inches, width 68 inches.

MODERN SECTIONAL GAS BOILERS

THE Modern Gas Boiler is well constructed and attractive in appearance, having been embodied therein the technical and practical construction so vital to a really desirable boiler that conserves as nearly as possible 100 per cent of the heating efficiency of the gas consumed.

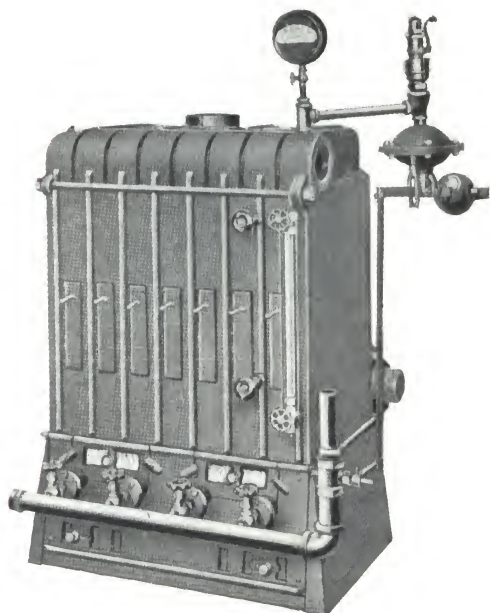


Plate D1211

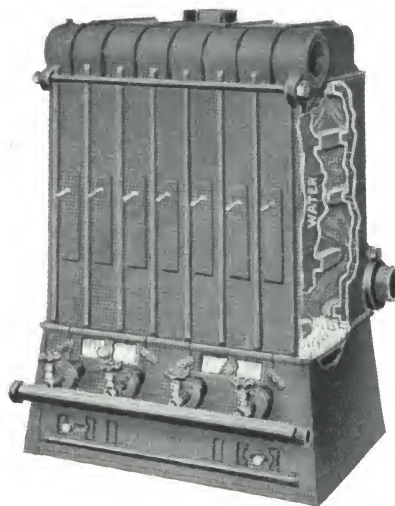


Plate D1212

LIST PRICES, MEASUREMENTS AND CAPACITIES, GAS STEAM BOILERS

Size	Height Inches	Width Inches	Flows	Returns	Vent	Rating Feet	Price
3	44	17	2-3	2-3	1-3	300	\$130.00
4	44	20 1/2	2-3	2-3	1-5	420	145.00
5	44	24	2-3	2-3	1-6	540	170.00
6	44	27 1/2	2-3	2-3	1-6	660	195.00
7	44	31	2-3	2-3	1-7	780	220.00
8	44	34 1/2	2-3	2-3	1-7	900	245.00
9	44	38	2-3	2-3	2-6	1020	270.00
10	44	41 1/2	2-3	2-3	2-6	1140	295.00
11	44	45	2-3	2-3	2-6	1260	320.00
12	44	48 1/2	2-3	2-3	2-6	1380	345.00
13	44	52	2-3	2-3	2-7	1500	370.00
14	44	55 1/2	2-3 1/2	2-3	2-7	1620	395.00
15	44	59	2-3 1/2	2-3	2-7	1740	420.00
16	44	62 1/2	4-3	2-3	2-7	1860	445.00
17	44	66	4-3	2-3	2-7	1980	470.00
18	44	69 1/2	4-3	2-3	2-7	2100	495.00
19	44	73	4-3	2-3	2-7	2220	520.00
20	44	76 1/2	4-3 1/2	2-3	2-7	2340	545.00

Prices for larger sizes quoted upon request.

All trimmings and gas regulating valve furnished with steam boilers include metallic diaphragm control and automatic gas regulating valve with by-pass.

LIST PRICES, MEASUREMENTS AND CAPACITIES, GAS WATER BOILERS

Size	Height Inches	Width Inches	Flows	Returns	Vent	Rating Feet	Price
3	42	14 1/2	2-3	2-3	1-3	500	\$ 85.00
4	42	17	2-3	2-3	1-5	625	100.00
5	42	20 1/2	2-3	2-3	1-6	775	125.00
6	42	24	2-3	2-3	1-6	950	150.00
7	42	27 1/2	2-3	2-3	1-7	1100	175.00
8	42	31	2-3	2-3	1-7	1275	200.00
9	42	34 1/2	2-3	2-3	1-7	1425	225.00
10	42	38	2-3	2-3	2-6	1600	250.00
11	42	41 1/2	2-3 1/2	2-3 1/2	2-6	1750	275.00
12	42	45	2-3 1/2	2-3 1/2	2-6	1900	300.00
13	42	48 1/2	2-3 1/2	2-3 1/2	2-6	2075	325.00
14	42	52	2-3 1/2	2-3 1/2	2-7	2300	350.00
15	42	55 1/2	2-3 1/2	2-3 1/2	2-7	2475	375.00
16	42	59	4-3	4-3	2-7	2650	400.00
17	42	62 1/2	4-3	4-3	2-7	2800	425.00
18	42	66	4-3	4-3	2-7	2975	450.00
19	42	69 1/2	4-3	4-3	2-7	3125	475.00
20	42	73	4-3	4-3	2-7	3300	500.00

Prices for larger sizes quoted upon request.

No trimmings furnished with water boilers. Gas regulating valve with by-pass extra.

Quoted net according to size upon application.

MODERN RADIATORS

FOR STEAM OR WATER



Plate D1213



Plate D1214

SINGLE COLUMN

No. of sections	Heating Surface—Square Feet					
	Length 2 1/2 in. per sec.	38-in. height 3 sq. ft. per sec.	32-in. height 2 1/2 sq. ft. per sec.	26-in. height 2 sq. ft. per sec.	23-in. height 1 2/3 sq. ft. per sec.	20-in. height 1 1/2 sq. ft. per sec.
2	5	6	5	4	3 1/3	3
3	7 1/2	9	7 1/2	6	5	4 1/2
4	10	12	10	8	6 2/3	6
5	12 1/2	15	12 1/2	10	8 1/3	7 1/2
6	15	18	15	12	10	9
7	17 1/2	21	17 1/2	14	11 2/3	10 1/2
8	20	24	20	16	13 1/3	12
9	22 1/2	27	22 1/2	18	15	13 1/2
10	25	30	25	20	16 2/3	15
11	27 1/2	33	27 1/2	22	18 1/3	16 1/2
12	30	36	30	24	20	18
13	32 1/2	39	32 1/2	26	21 2/3	19 1/2
14	35	42	35	28	23 1/3	21
15	37 1/2	45	37 1/2	30	25	22 1/2
16	40	48	40	32	26 2/3	24
17	42 1/2	51	42 1/2	34	28 1/3	25 1/2
18	45	54	45	36	30	27
19	47 1/2	57	47 1/2	38	31 2/3	28 1/2
20	50	60	50	40	33 1/3	30
21	52 1/2	63	52 1/2	42	35	31 1/2
22	55	66	55	44	36 2/3	33
23	57 1/2	69	57 1/2	46	38 1/3	34 1/2
24	60	72	60	48	40	36
25	62 1/2	75	62 1/2	50	41 2/3	37 1/2
26	65	78	65	52	43 1/3	39
27	67 1/2	81	67 1/2	54	45	40 1/2
28	70	84	70	56	46 2/3	42
29	72 1/2	87	72 1/2	58	48 1/3	43 1/2
30	75	90	75	60	50	45
31	77 1/2	93	77 1/2	62	51 2/3	46 1/2
32	80	96	80	64	53 1/3	48

List price, per sq. ft.\$0.70 \$0.76 \$0.84 \$0.88 \$0.96

TWO-COLUMN

No. of sections	Heating Surface—Square Feet						
	Length 2½ in. per sec.	45-in. height 5 sq. ft. per sec.	38-in. height 4 sq. ft. per sec.	32-in. height 3⅓ sq. ft. per sec.	26-in. height 2⅔ sq. ft. per sec.	23-in. height 2⅓ sq. ft. per sec.	20-in. height 2 sq. ft. per sec.
2	5	10	8	6⅔	5⅓	4⅔	4
3	7½	15	12	10	8	7	6
4	10	20	16	13⅓	10⅔	9⅓	8
5	12½	25	20	16⅔	13⅓	11⅔	10
6	15	30	24	20	16	14	12
7	17½	35	28	23⅓	18⅔	16⅓	14
8	20	40	32	26⅔	21⅓	18⅔	16
9	22½	45	36	30	24	21	18
10	25	50	40	33⅓	26⅔	23⅓	20
11	27½	55	44	36⅔	29⅓	25⅔	22
12	30	60	48	40	32	28	24
13	32½	65	52	43⅓	34⅔	30⅓	26
14	35	70	56	46⅔	37⅓	32⅔	28
15	37½	75	60	50	40	35	30
16	40	80	64	53⅓	42⅔	37⅓	32
17	42½	85	68	56⅔	45⅓	39⅔	34
18	45	90	72	60	48	42	36
19	47½	95	76	63⅓	50⅔	44⅓	38
20	50	100	80	66⅔	53⅓	46⅔	40
21	52½	105	84	70	56	49	42
22	55	110	88	73⅓	58⅔	51⅓	44
23	57½	115	92	76⅔	61⅓	53⅔	46
24	60	120	96	80	64	56	48
25	62½	125	100	83⅓	66⅔	58⅓	50
26	65	130	104	86⅔	69⅓	60⅔	52
27	67½	135	108	90	72	63	54
28	70	140	112	93⅓	74⅔	65⅓	56
29	72½	145	116	96⅔	77⅓	67⅔	58
30	75	150	120	100	80	70	60
31	77½	155	124	103⅓	82⅔	72⅓	62
32	80	160	128	106⅔	85⅓	74⅔	64

List price, per sq. ft.\$0.70 \$0.70 \$0.76 \$0.84 \$0.88 \$0.96

MODERN RADIATORS

FOR STEAM OR WATER



Plate D1215



Plate D1216

THREE-COLUMN

No. of sections	Heating Surface—Square Feet						
	Length 2 1/2 in. per sec.	45-in. height 6 sq. ft. per sec.	38-in. height 5 sq. ft. per sec.	32-in. height 4 1/2 sq. ft. per sec.	26-in. height 3 3/4 sq. ft. per sec.	22-in. height 3 sq. ft. per sec.	18-in. height 2 1/4 sq. ft. per sec.
2	5	12	10	9	7 1/2	6	4 1/2
3	7 1/2	18	15	13 1/2	11 1/4	9	6 3/4
4	10	24	20	18	15	12	9
5	12 1/2	30	25	22 1/2	18 3/4	15	11 1/4
6	15	36	30	27	22 1/2	18	13 1/2
7	17 1/2	42	35	31 1/2	26 1/4	21	15 3/4
8	20	48	40	36	30	24	18
9	22 1/2	54	45	40 1/2	33 3/4	27	20 1/4
10	25	60	50	45	37 1/2	30	22 1/2
11	27 1/2	66	55	49 1/2	41 1/4	33	24 3/4
12	30	72	60	54	45	36	27
13	32 1/2	78	65	58 1/2	48 3/4	39	29 1/4
14	35	84	70	63	52 1/2	42	31 1/2
15	37 1/2	90	75	67 1/2	56 1/4	45	33 3/4
16	40	96	80	72	60	48	36
17	42 1/2	102	85	76 1/2	63 3/4	51	38 1/4
18	45	108	90	81	67 1/2	54	40 1/2
19	47 1/2	114	95	85 1/2	71 1/4	57	42 3/4
20	50	120	100	90	75	60	45
21	52 1/2	126	105	94 1/2	78 3/4	63	47 1/4
22	55	132	110	99	82 1/2	66	49 1/2
23	57 1/2	138	115	103 1/2	86 1/4	69	51 3/4
24	60	144	120	108	90	72	54
25	62 1/2	150	125	112 1/2	93 3/4	75	56 1/4
26	65	156	130	117	97 1/2	78	58 3/4
27	67 1/2	162	135	121 1/2	101 1/4	81	60 3/4
28	70	168	140	126	105	84	63
29	72 1/2	174	145	130 1/2	108 3/4	87	65 1/4
30	75	180	150	135	112 1/2	90	67 1/2
31	77 1/2	186	155	139 1/2	116 1/4	93	69 3/4
32	80	192	160	144	120	96	72

List price, per sq. ft.\$0.70 \$0.70 \$0.76 \$0.84 \$0.90 \$1.00

FOUR-COLUMN

No. of sections	Heating Surface—Square Feet						
	Length 3 in. per sec.	45-in. height 10 sq. ft. per sec.	38-in. height 8 sq. ft. per sec.	32-in. height 6 1/2 sq. ft. per sec.	26-in. height 5 sq. ft. per sec.	22-in. height 4 sq. ft. per sec.	18-in. height 3 sq. ft. per sec.
2	6	20	16	13	10	8	6
3	9	30	24	19 1/2	15	12	9
4	12	40	32	26	20	16	12
5	15	50	40	32 1/2	25	20	15
6	18	60	48	39	30	24	18
7	21	70	56	45 1/2	35	28	21
8	24	80	64	52	40	32	24
9	27	90	72	58 1/2	45	36	27
10	30	100	80	65	50	40	30
11	33	110	88	71 1/2	55	44	33
12	36	120	96	78	60	48	36
13	39	130	104	84 1/2	65	52	39
14	42	140	112	91	70	56	42
15	45	150	120	97 1/2	75	60	45
16	48	160	128	104	80	64	48
17	51	170	136	110 1/2	85	68	51
18	54	180	144	117	90	72	54
19	57	190	152	123 1/2	95	76	57
20	60	200	160	130	100	80	60
21	63	210	168	136 1/2	105	84	63
22	66	220	176	143	110	88	66
23	69	230	184	149 1/2	115	92	69
24	72	240	192	156	120	96	72
25	75	250	200	162 1/2	125	100	75
26	78	260	208	169	130	104	78
27	81	270	216	175 1/2	135	108	81
28	84	280	224	182	140	112	84
29	87	290	232	188 1/2	145	116	87
30	90	300	240	195	150	120	90
31	93	310	248	201 1/2	155	124	93
32	96	320	256	208	160	128	96

List price, per sq. ft.\$0.70 \$0.70 \$0.76 \$0.84 \$0.90 \$1.00

MODERN RADIATORS

FOR STEAM AND WATER

THE Modern Window and Wall Radiators shown below are of the latest type. The window radiators can be built up to as many sections necessary and are a very convenient pattern to use in any residence. The wall radiators are made in sections of three different sizes, and are suitable for garages and factories or where a saving of space is necessary.

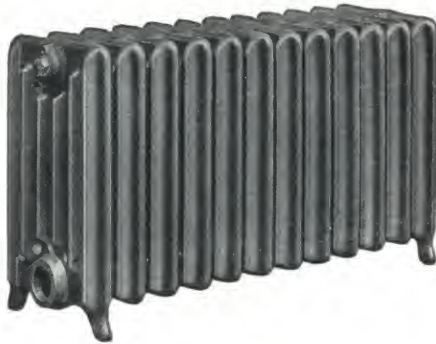


Plate D1217

WINDOW RADIATORS

No. of sections	Length 3 inches per section	Heating Surface—Square Feet			
		20-in. height 5 sq. ft. per section	18-in. height 4 1/2 sq. ft. per section	16-in. height 3 3/4 sq. ft. per section	13-in. height 3 sq. ft. per section
2	6	10	9	7 1/2	6
3	9	15	13 1/2	11 1/4	9
4	12	20	18	15	12
5	15	25	22 1/2	18 3/4	15
6	18	30	27	22 1/2	18
7	21	35	31 1/2	26 1/4	21
8	24	40	36	30	24
9	27	45	40 1/2	33 3/4	27
10	30	50	45	37 1/2	30
11	33	55	49 1/2	41 1/4	33
12	36	60	54	45	36
13	39	65	58 1/2	48 3/4	39
14	42	70	63	52 1/2	42
15	45	75	67 1/2	56 1/4	45
16	48	80	73	60	48
17	51	85	76 1/2	63 3/4	51
18	54	90	81	67 1/2	54
19	57	95	85 1/2	71 1/4	57
20	60	100	90	75	60
List price per sq. ft....\$0.96		\$1.00	\$1.04	\$1.10	



Plate D1218

WALL RADIATORS

Extra large section, 9 square feet. Price, per sq. ft....\$0.76
Standard section, 7 square feet. Price, per sq. ft..... .76
Small section, 5 square feet. Price, per sq. ft..... .90

RATING AND MEASUREMENT OF SECTIONS

Sections number	Height inches	Length or width inches	Thickness inches	Thickness (with bracket) inches	Heating surface sq. ft.
5-A	13 1/8	16 5/8	2 7/8	3 1/2	5
7-A	13 1/8	21 7/8	2 7/8	3 1/2	7
7-B	21 7/8	13 1/8	3 1/8	3 1/8	7
9-A	13 1/8	29 1/8	2 7/8	3 1/2	9
9-B	29 1/8	13 1/8	3 1/8	3 1/8	9

MODERN LAUNDRY AND TANK HEATERS

THE Modern Laundry and Tank Heaters will produce hot water for domestic purposes at a very little cost and meet every requirement for this class of heater.



Plate D1219

MODERN TANK HEATER

No.	Dia. Grate	Tap- ping	Gals. Cap.	List Price
100	10	1 1/4	75	\$ 40.00
120	12	1 1/4	150	50.00
130	12	1 1/4	200	70.00
140	14	1 1/2	300	85.00
160	16	2	400	105.00
170	17	2	500	115.00
180	18	2 1/2	600	140.00
190	19	2 1/2	750	150.00



Plate D1220

MODERN LAUNDRY HEATER

Height	25"
Grate Area	10"
Pipe Connection	1 1/4"
Tank Capacity, Gallons	60
Radiation, Feet	90
List Price	\$32.00

TRANE SPECIALTIES

TRANE Products are broadly grouped under three headings: Trane Heating Systems, Trane Heating Specialties and Trane Pumps. From the completely designed heating systems to the smallest individual specialty, they are quality products, built for dependable heating service and for definite heating needs. They are proven in performance, backed by Trane Engineering Service and the Trane Guarantee.

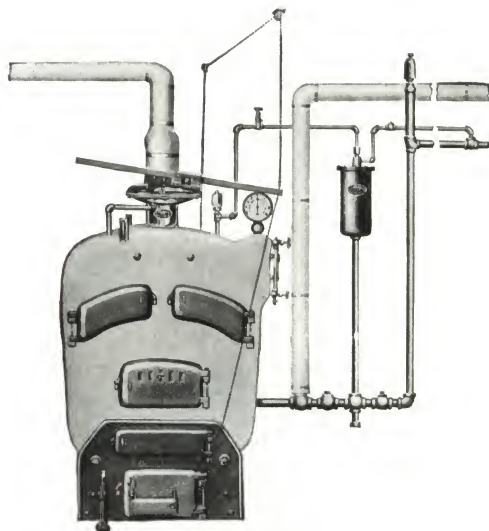


Plate D1221



Plate D1222

The illustrations D1221 and D1222 show the manner in which boilers and radiators can be equipped with Trane Specialties. However, the radiators may be equipped with return fittings as shown in D1232 on jobs totaling less than 400 feet of radiation.

The Trane Vapor Heating System is extremely simple in construction and operation, easily controlled, and readily adapted to changing weather conditions. There is no complicated apparatus about it. It produces dependable and economical heating results in the most simple and direct manner possible.

The system consists of high-grade patented boiler and radiator specialties installed in connection with any make of steam boiler and radiators, according to exact plans and specifications prepared for any particular building.

TRANE CONDENSATION PUMPS



Plate D1223

TRANE AUTOMATIC ELECTRIC CONDENSATION PUMPS

Are the development of long experience with an intimate knowledge of exact heating needs. They are simple and durable in construction, economical and efficient in operation, and made in a wide range of sizes covering requirements up to 30,000 sq. ft. of radiation, and against pressures up to 60 lbs. Larger sizes can be furnished on special order.

All Trane Pumps, except those furnished for jobs totaling 4,000 square feet of radiation, are equipped with heavy electrically welded cylindrical steel tanks. Tanks for jobs totaling 6,000 to 15,000 square feet are 30 gallons capacity; tanks for 20,000 to 30,000 square feet are 40 gallons capacity. On jobs totaling 4,000 square feet of radiation, pumps are equipped with elliptical cast iron tanks of 10 gallon capacity. All tanks allow for a long, powerful stroke movement.

(Note—Refer to page 84 for list prices)

TRANE SPECIALTIES



Plate D1224

THE TRANE RECEIVER

Is also a safety device and is intended for use on small systems where return fittings are used on the radiators. It is equipped with a dependable float valve which closes, sealing the system when water accumulates in the returns, thus equalizing the pressure and insuring the return of the water to the boiler.



Plate D1225

THE TRANE DIRECT RETURN TRAP

Is used on all installations over 400 sq. ft. and provides an extremely simple and dependable means of returning the condensation to the boiler, insuring a steady waterline and absolute safety under all operating conditions. Made in two sizes: No. 1, capacity 2,000 sq. ft., and No. 2, capacity 4,000 sq. ft.

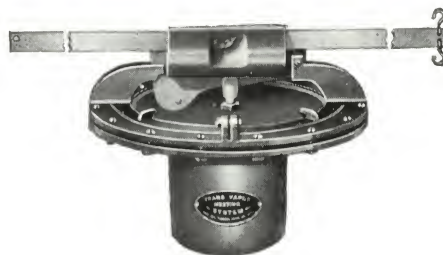


Plate D1226

THE TRANE VAPOR REGULATOR

Is the most sensitive damper regulator on the market. It has a special patented lever arm that permits the weight to be set at any point, and can be set to operate at less than an ounce pressure difference. Made in two sizes: No. 1 and No. 2.



Plate D1227

THE TRANE FLOAT VENT TRAP

Is a large capacity venting valve, equipped with a positive acting float and the famous Trane thermal metal element. It vents air freely, positively prevents the escape of steam or water from the system and is equipped with an aluminum check to prevent the return of air. Made in $\frac{3}{4}$ " only.

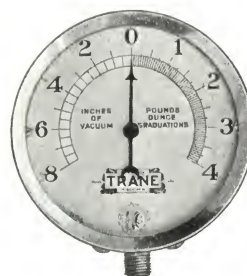


Plate D1228

THE TRANE VAPOR-VACUUM GAUGE

Is especially designed for vapor-vacuum work. It registers to 4 pounds, graduated in ounces, and to 8 inches vacuum. Assembled in substantial gun metal case with polished nickel trimmings. Diameter, $4\frac{1}{2}$ inches.

(Note—Refer to page 84 for list prices)

TRANE SPECIALTIES

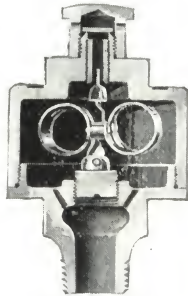


Plate D1229

THE TRANE QUICK VENT VALVE

Is a large capacity venting valve similar to the above except that it has no float. It is used on Trane systems in connection with the Trane receiver and is an excellent valve for almost any large venting requirements, ends of mains, etc. Made in $\frac{1}{2}$ " only.

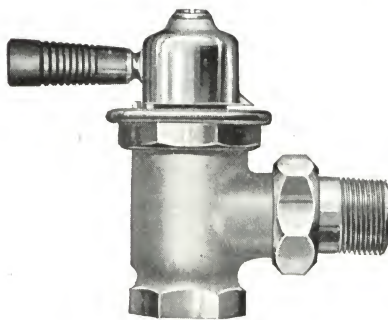


Plate D1230

THE TRANE GRADUATED VALVE

Is a combination seat and sleeve valve. It is made with a Jenkins' disc, closes absolutely steam tight, and has a perfect sleeve control of the supply port to the radiator. Made in $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1" and 1 $\frac{1}{4}$ ".



Plate D1231

THE TRANE THERMETAL TRAP

"The Trap Without a Diaphragm," is made with the famous Trane thermetal element. Proven in operation, and made entirely of metal, with no liquid to leak out, give out, or ever need repairs, there is no more dependable radiator trap on the market. Made in $\frac{1}{2}$ " angle, straightway, and R. and L. H. corner, and $\frac{3}{4}$ " angle.

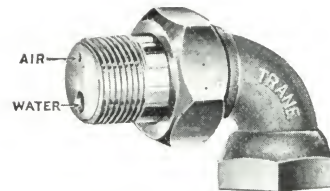
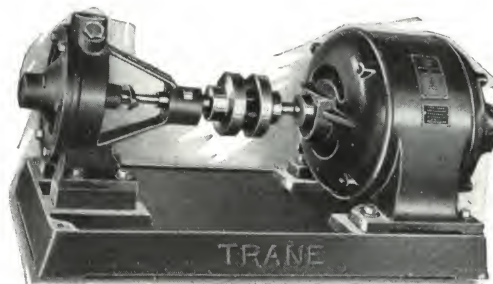


Plate D1232

TRANE RETURN FITTINGS

Are specially designed union elbows having separate openings for air and water. They are used on the return end of radiators on jobs totaling less than 400 sq. ft. of radiation. Made in $\frac{1}{2}$ ", $\frac{3}{4}$ " No. 1 and $\frac{3}{4}$ " No. 2.

Plate D1232 $\frac{1}{2}$

THE TRANE CIRCULATING PUMP

Shown above is a remarkable development of the ordinary centrifugal pump, performing more like a piston pump because of its ability to pump high pressures, and because it requires a minimum of power at low heads. Its field of usefulness is that of both centrifugal and piston pump.

There are three sizes and all are made with an impeller less than five inches in diameter. This one moving part, because of the Trane patented design, pumps much higher pressures than can be obtained with a centrifugal two or three stage pump with the same diameter impeller.

(Note—Refer to page 84 for list prices)

HOW TO ORDER TRANE SPECIALTIES

For convenience in ordering, Trane Boiler Specialties are grouped in complete sets. No. 1-A and 1-B are for installations with 400 sq. ft. of radiation or less. (No. 1-A is recommended as it includes the larger and more sensitive No. 2 Regulator.) Set No. 2 is for installations 400 to 2000 sq. ft. Set No. 3 is for installations over 2000 sq. ft.

The Radiator Specialties consist of a Trane Graduated Valve and a Trane Thermetal Trap for each radiator on jobs totaling over 400 sq. ft. of radiation. On jobs under 400 sq. ft., a Graduated Valve and a Trane Special Return Fitting are used on each radiator.

BOILER SPECIALTIES

For Use with Thermetal Trap Installations

No. 2 Set of Boiler Specialties, maximum capacity 2000 sq. ft. radiation, consisting of No. 2 Vapor Regulator, No. 2 Direct Return Trap, Float Vent Valve, Quick Vent Valve and Compound Vapor-Vacuum Gauge	\$ 99.00
No. 3 Set of Boiler Specialties, maximum capacity 4000 sq. ft. radiation, consisting of No. 2 Vapor Regulator, No. 3 Direct Return Trap, Float Vent Valve, Quick Vent Valve and Compound Vapor-Vacuum Gauge	124.00

NOTE.—For larger installations use extra No. 2 or No. 3 Direct Return Traps, according to capacity required.

RADIATOR SPECIALTIES

For Use with Thermetal Trap Installations

$\frac{1}{2}$ -in. Trane Vapor Valve with $\frac{1}{2}$ -in. Thermetal Trap for Radiators up to 20 sq. ft.	\$12.00
$\frac{3}{4}$ -in. Trane Vapor Valve with $\frac{1}{2}$ -in. Thermetal Trap for Radiators from 20 to 64 sq. ft.	12.00
*1 -in. Trane Vapor Valve with $\frac{1}{2}$ -in. Thermetal Trap for Radiators from 65 to 124 sq. ft.	13.00
*1 -in. Trane Vapor Valve with $\frac{3}{4}$ -in. Thermetal Trap for Radiators from 125 to 149 sq. ft.	15.50
1 $\frac{1}{4}$ -in. Trane Vapor Valve with $\frac{3}{4}$ -in. Thermetal Trap for Radiators 150 sq. ft. and over	17.50

*Above combinations are recommended when heating is constant. For intermittent heating in churches, etc., larger sizes should be used.

NOTE.—Prices are for Angle pattern Thermetal Trap, add \$0.50 list for straightway or corner patterns.

BOILER SPECIALTIES

For Use with Return Fittings on Installations, 400 Square Feet or Less

No. 1-A Set of Boiler Specialties, maximum capacity 400 sq. ft. radiation, consisting of No. 2 Vapor Regulator, No. 1 Receiver, 2 Quick Vent Valves and Compound Vapor-Vacuum Gauge	\$63.70
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NOTE.—For installations over 400 sq. ft. use No. 1-A set with No. 2 Receiver.

No. 1-B Set of Boiler Specialties, maximum capacity 400 sq. ft. radiation, consisting of No. 1 Vapor Regulator, No. 1 Receiver, 2 Quick Vent Valves and Compound Vapor-Vacuum Gauge	53.70
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RADIATOR SPECIALTIES

For Installations, 400 Square Feet or Less

$\frac{1}{2}$ -in. Trane Vapor Valve with $\frac{1}{2}$ -in. Return Fitting for Radiators less than 20 sq. ft.	\$ 7.30
$\frac{3}{4}$ -in. Trane Vapor Valve with $\frac{3}{4}$ -in. No. 1 Return Fitting for Radiators 21 to 64 sq. ft.	7.50
1 -in. Trane Vapor Valve with $\frac{3}{4}$ -in. No. 2 Return Fitting for Radiators 65 to 149 sq. ft.	8.50
1 $\frac{1}{4}$ -in. Trane Vapor Valve with $\frac{3}{4}$ -in. No. 2 Return Fitting for Radiators over 150 sq. ft.	10.50

SEPARATE LISTS ON BOILER SPECIALTIES

No. 1 Vapor Regulator	\$20.00	Compound Vapor-Vacuum Gauge	\$6.30
No. 2 Vapor Regulator	30.00	30-inch Vacuum Gauge	6.00
No. 1 Receiver (capacity 400 sq. ft.)	20.00	Quick Vent Valve	3.70
No. 2 Receiver (capacity 2000 sq. ft.)	30.00	Float Vent Valve	9.00
No. 2 Direct Return Trap (cap. 2000 sq. ft.)	50.00	Gauge Glass and Trimmings, complete, for Direct Re-	
No. 3 Direct Return Trap (cap. 4000 sq. ft.)	75.00	turn Traps	4.50

SEPARATE LISTS ON RADIATOR SPECIALTIES

Trane Thermetal Traps		Trane Graduated Valves	
$\frac{1}{2}$ -inch, Angle	\$6.50	$\frac{1}{2}$ -inch	\$5.50
$\frac{1}{2}$ -inch, Straightway	7.00	$\frac{3}{4}$ -inch	5.50
$\frac{1}{2}$ -inch, R. H. or L. H. Corner	7.00	1-inch	6.50
$\frac{3}{4}$ -inch, Angle only	9.00	1 $\frac{1}{4}$ -inch	8.50

SPECIAL VALVE FITTINGS

Trane Adjustable Valve Extensions for Radiators under grills. Add to list price of valve	\$4.00
$\frac{1}{8}$ -in. Square Iron Rod for above, list price per foot	.30
Wood Wheel and Follower for Trane Graduated Valves	1.50

When ordered in advance, wood wheels can be furnished in place of rubber handles, without extra charge. (Used where valve is close to wall.)

1x $\frac{3}{4}$ -in. Special Reducing Fitting for use on $\frac{3}{4}$ -in. valve supplied by 1-in. risers (for 45 to 65 sq. ft. radiators, above first floor)	\$0.30
1 $\frac{1}{4}$ x1-in. Special Reducing Fitting for 1-in. valve to be used on radiators larger than 109 sq. ft.	.40

Price List on Parts Will be Sent on Request

TRANE PUMPS

Trane Automatic Electric Condensation Pumps, Vacuum Pumps, Circulating Pumps and Return Line Systems are separately listed and described in special bulletins to which separate discounts apply. Complete information and prices will be sent on request.

D. & T. SYSTEMS

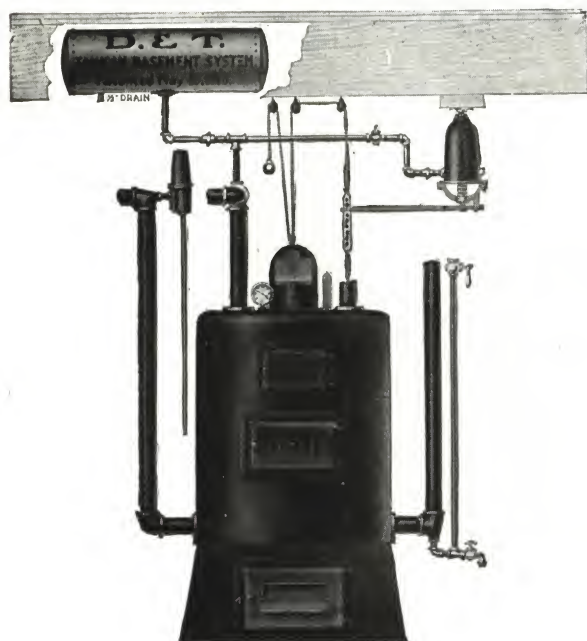


Plate D1233

THE ADVANTAGES OF THE D. & T. METHOD

- Quick response from firing.
- Rapid circulation.
- Twenty-five per cent saving in fuel.
- Wide range of damper regulation, from 90 degrees to 240 degrees.
- No boiling over.
- No waste of water from system.
- No unsightly expansion tank in finished portion of building.
- Saving in labor and material.
- No overflow pipe to clog or freeze.
- Even temperature throughout building.

Price List D. & T. Equipment

	List Price
No. 2 Equipment for 1 or 2-story building, up to 1400 sq. ft. radiation	\$60.00
No. 3 Equipment for 3-story buildings, up to 1400 sq. ft. radiation	60.00
No. 4 Equipment for 4-story buildings, up to 1400 sq. ft. radiation	60.00

EXTRA TANK CAPACITY

For installations containing more radiation than listed above, an extra charge will be made for the additional expansion tank capacity.

COMPLETENESS OF D. & T. SYSTEM

The D. & T. Equipment consists of:

- One pressure controller.
- One damper regulator.

- One expansion tank.
- One special pressure gauge.
- Adjustment plate, chains and pulleys.

It is not necessary for the contractor to purchase any additional material or appliances. Each D. & T. Equipment includes all necessary parts.

The D. & T. Equipment consists of one superior air sealed heat generator, one special thirty-pound pressure gauge, one automatic damper regulator, one special constructed air-tight expansion tank proportioned to the amount of radiation, all working in unison to produce a steady rapid circulation and maintain an even water temperature at all times.

The power for operating the generator and damper regulator is derived from the expansion and contraction of the water in the entire heating system, and is as reliable as the natural law of water expanding when heat is applied. All parts of the equipment is constructed of the best grade of material and the manufacturer guarantees to replace any material showing a defect in five years.

SCHEDULE OF TANK CAPACITIES USED WITH THE D. & T. SYSTEM

With the standard No. 2, No. 3 and No. 4 regulators we furnish tank capacities up to 1400 square feet of radiation, not exceeding a 40-gallon tank.

Square feet of radiation	Gallons
250 to 350.....	18
350 to 450.....	21
450 to 650.....	24
650 to 900.....	30
900 to 1100.....	35
1100 to 1400.....	40

Jobs requiring additional tank capacity, use the following schedule:

Square feet of radiation	Gallons
1400 to 1600.....	1—24 and 1—30
1600 to 1800.....	2—30
1800 to 2000.....	2—35
2000 to 2400.....	2—40
2400 to 2800.....	3—30
2800 to 3000.....	2—40 and 1—30
3000 to 3500	3—40

MODERN RADIATOR VALVES, ETC.

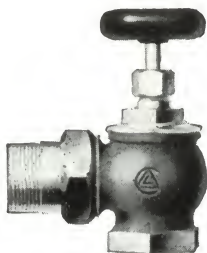


Plate D1234

SCREW STEM STEAM RADIATOR VALVES

Rough Body and Polished Trimmings Plated All Over

Size	1/2	3/4	1	1 1/4	1 1/2	2
Price, Steam Angle with union composition disc	\$3.70	\$4.30	\$5.10	\$6.40	\$8.40	\$13.60
Price, Steam Angle with union brass disc	4.30	4.90	5.85	7.15	9.40	14.85
Price, Steam Angle, female composition disc	3.40	3.85	4.50	5.65	7.40	12.10



Plate D1235

Q.-O. BONNETLESS WATER RADIATOR VALVES

Rough Body and Polished Trimmings Plated All Over

Size	1/2	3/4	1	1 1/4	1 1/2	2
Price, Hot Water Angle with union	\$3.25	\$3.70	\$4.50	\$5.75	\$7.30	\$12.00
Price, Hot Water Angle, female	2.95	3.25	3.90	5.00	6.30	10.50
Union Ells	1.75	2.00	2.50	3.30	4.25	7.20



Plate D1236

SCREW STEM STEAM CORNER RADIATOR VALVES

Rough Body and Polished Trimmings Plated All Over

Offset Pattern

Size	1/2	3/4	1	1 1/4	1 1/2	2
Price, Steam Corner with union composition discs	\$4.10	\$4.75	\$5.60	\$7.05	\$9.25	\$15.00
Price, Steam Corner, female composition discs	3.80	4.30	5.00	6.30	8.25	13.50

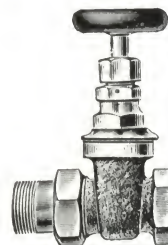


Plate D1237

STRAIGHTWAY Q.-O. WATER RADIATOR VALVES

Rough Body and Polished Trimmings Plated All Over

Size	1/2	3/4	1	1 1/4	1 1/2	2
Price, Hot Water Straightway with union	\$3.25	\$3.70	\$4.50	\$5.75	\$7.30	\$12.00
Price, Hot Water Straightway female	2.95	3.25	3.90	5.00	6.30	10.50



Plate D1238

UNIQUE WATER RADIATOR VALVES

Rough Body and Polished Trimmings Plated All Over

Size	1/2	3/4	1	1 1/4
Price, each	\$4.25	\$5.40	\$5.80	\$7.95



Plate D1239

UNION ELBOWS

For Water Radiators. Rough Body and Polished Trimmings Plated All Over

Size	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	\$1.75	\$2.00	\$2.50	\$3.20	\$4.00	\$7.00

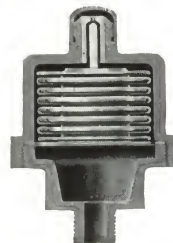


Plate D1240

SYLPHON QUICK VENT RADIATOR VALVE

With 3/8 I. P. Thread

Price, each	\$3.00
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HONEYWELL AUTOMATIC TEMPERATURE REGULATORS



Plate D1241
Spring Motor

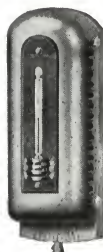


Plate D1242
Plain Model 4
Thermostat



Plate D1243
One-day Clock
Model 6 Thermostat



Plate D1244
Eight-day Clock
Model 8 Thermostat

EIGHT-DAY CLOCK THERMOSTAT—A most advanced type of thermostat, neat and symmetrical in design. The cams at the back of the clock revolve once in 24 hours, and may be so set that the thermostat will set up to normal at any desired hour in the morning, and set back to any lower temperature at any time during the night, without any attention, other than to wind the clock once a week. The clock does not have to be removed for winding, although it may be detached instantly for setting the cams to suit the arising and retiring hours of the owner, which only has to be done once.

The wires are not connected to the thermostat, but instead to a neat wall plate that the thermostat fits over, thus making it unnecessary to handle thermostat when connecting the wires—a feature that is appreciated.

With the thermostat and motor are furnished all other parts necessary to install, which are carefully packed in one box and weigh, ready for shipment, about 50 pounds. Full instructions regarding the installation is also packed in each box. Thermostat is beautifully proportioned. It is 8 inches wide, and is made from heavy pressed brass and highly finished.

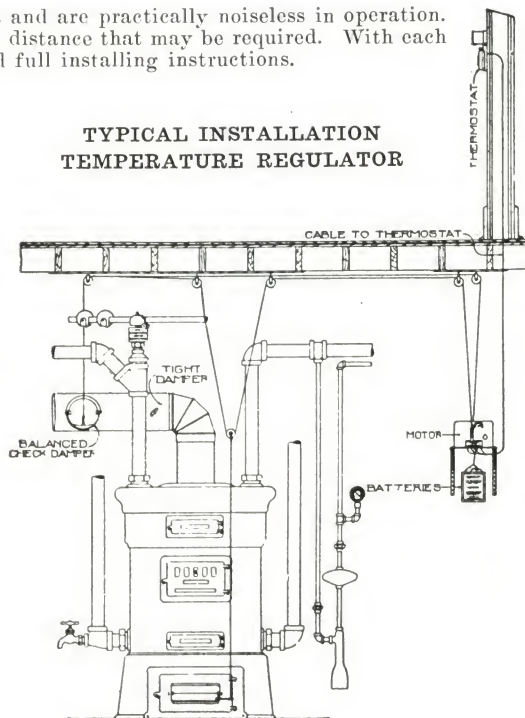
With this thermostat can be furnished either a gravity, spring or a non-wind electric motor. The spring motor will operate from 60 to 75 times on one winding. The AC electric motor is for operation on house lighting current. It is equipped with special transformer for reducing the current. Regularly furnished for 110 volt 60 cycle, but special transformers can be furnished upon request. The DC electric motor operates from the current of four dry cells. One set of batteries will operate furnace dampers, gas or steam valves during an entire heating season without attention.

All motors are very neatly designed and accurately built and are practically noiseless in operation. Each motor has ample power to lift any damper or valve any distance that may be required. With each regulator outfit is furnished all parts necessary to install and full installing instructions.

	Price
Plain Pattern Thermostat, gravity motor model G-4	\$38.00
One-day Clock Thermostat, gravity motor model G-6	45.00
Eight-day Clock Automatic Thermostat, gravity motor model G-8	58.00
Plain Pattern Thermostat, spring motor, model 4	45.00
One-day Clock Thermostat, spring motor, model 6	52.00
Eight-day Clock Automatic Thermostat, spring motor, model 8	65.00
Plain Pattern Thermostat, electric non-wind motor, model 14	70.00
One-day Clock Thermostat, electric non-wind motor, model 16	80.00
Eight-day Clock Automatic Thermostat, electric non-wind motor, model 18	90.00

Important Note—DC models list at \$10.00 less than AC models shown above. Write for catalog describing full line of Honeywell Regulators in plain, one-day clock and automatic eight-day models, either with gravity, spring or electric motors.

TYPICAL INSTALLATION TEMPERATURE REGULATOR



MODERN HEATING ACCESSORIES

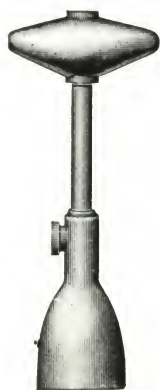


Plate D1245

HONEYWELL HEAT GENERATOR

	Capacity, sq. ft. of radiation	Pounds of mercury	Price, each
Style 1	1200	3	\$25.00
Style 2	2500	6½	35.00
Style 3	3500	11	50.00
Style 4	10000	15	65.00

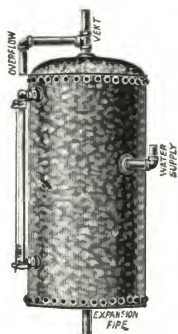


Plate D1246

GALVANIZED EXPANSION TANKS

Size, inches	Capacity gallons	Square feet of radiation	Price, each tank only
10x20	8	250	\$ 7.50
12x20	10	300	8.00
12x30	15	500	9.00
14x30	20	700	12.50
16x30	26	950	14.00
16x36	32	1300	15.00
16x48	42	2000	16.50
18x60	66	3000	31.00
20x60	82	5000	37.00
22x60	100	6000	51.00

All Expansion Tanks tapped 1 inch top and bottom for overflow and expansion pipe and 1 inch on side for feed pipe. Water gauge tappings ½-inch—13½ inches between centers.



Plate D1247

EXPANSION TANK BRACKETS

Adjustable for tanks from 10-inch to 16-inch diameter.

Price, each\$1.75



Plate D1248

MODERN RETARD STEAM GAUGE

This gauge is especially designed for house heating low pressure boilers. It provides great width of scale between 0 and 10 lbs. with ¼ lb. graduation, thus making easy and accurate reading of the low pressures carried on heating boilers. Will register up to 30 lbs. Accurate and positive.

Size 4½ inches; steel case without back flange; hard rubber finish; silvered dial, without cock.

List price, each\$12.00



Plate D1249

MODERN ALTITUDE GAUGE

Indicates accurately at the boiler the height of water in system.

Explanation:—When the water is at its proper level in expansion tank, remove the ring and glass, and set the stationary red hand at the pressure indicated by the working hand; whenever the pressure falls below this point, water should be added.

Size 4½ inches; steel case without back-flange; no cock. Threaded ¼-inch pipe connection.

List price, each\$12.00

HOFFMAN VENTING VALVES

THE principal obstacle to the successful utilization of steam as a heating agent has always been and always will be—air. Air and steam are two distinct, separate bodies and cannot occupy the same space at the same time. When the apparatus is cold, it is full of air, and this air must be displaced before steam can be circulated and its heat utilized. The fact that no steam heating apparatus can be a success without some form of air relief in connection with each individual heating unit has had the effect of stimulating the designing and marketing of air relief devices or valves, but due to the fact that most of such valves have not been equipped with a thermostatic member sufficiently sensitive to the thermal change as to quickly distinguish between the temperature of steam and the temperature of air, the records show failure far outnumbering the successes.

The Hoffman Line of Air Vents offers a relief by presenting a venting valve for every service. The basic principle used in the design of these valves is that of an all metal thermostatic member containing a volatile or heat sensitive fluid, which expands or contracts with temperature changes and thereby performs the required duty. The valves are absolutely automatic, non-adjustable, and are fully guaranteed by the manufacturers for a period of five years.



Plate D1250

NO. 1 HOFFMAN SIPHON AIR VALVE

No. 1 Hoffman Siphon Air Valves are universally used in one pipe gravity heating systems. They are sensitive in operation, and positively distinguish between air, steam and water, freely venting all air but preventing the escape of steam and water. Pipe connections $\frac{1}{8}$ ".

List price\$1.90

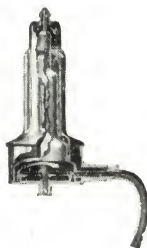


Plate D1251

NO. 2 HOFFMAN SIPHON AIR AND VACUUM VALVE

No. 2 Hoffman Siphon Air and Vacuum Valve. This valve relieves air when a pressure of approximately four ounces is generated and prevents the return of air to the system when once vented, making it possible to obtain all the advantages of a vacuum system with an ordinary one pipe installation. Pipe connections $\frac{1}{8}$ ".

List price\$4.50

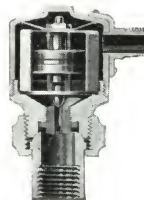


Plate D1252

NO. 3 HOFFMAN AIR LINE VALVE

No. 3 Hoffman Air Line Valve is extensively used in systems of the Paul or Air Line type. The positive action of the valve prevents the passage of steam and insures a cold air line. Pipe connections $\frac{1}{8} \times \frac{1}{4}$ ".

List price\$2.50

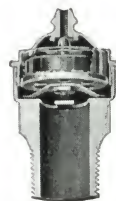


Plate D1253

NO. 4 HOFFMAN QUICK VENT VALVE

No. 4 Hoffman Junior Quick Vent Air Valve is adapted for venting steam lines, blast coils and for other conditions where water is not a factor. Freely vents air and holds back steam. Diameter of vent port is $\frac{1}{8}$ ". This valve can be supplied with either $\frac{3}{4}$ " or $\frac{1}{4}$ " pipe connections, but unless otherwise specified, $\frac{3}{4}$ " will be supplied on all orders.

List price\$2.80

HOFFMAN VENTING VALVES



Plate D1254

NO. 5 HOFFMAN QUICK VENT FLOAT AIR VALVE

No. 5 Hoffman Quick Vent Float Air Valve is used for quick venting of return lines or under conditions where large quantities of air must be handled. The valve freely emits air and prevents the escape of steam or water. Used on return mains this valve causes steam to flow to all radiators at a uniform rate. For service where the pressure is above 3 lbs., the vent is $\frac{1}{16}$ ". For pressure below 3 lbs., the port is $\frac{3}{16}$ ". Unless otherwise specified, $\frac{1}{16}$ " port is regularly supplied. Pipe connection $\frac{3}{8}$ ".

List price\$8.00



Plate D1255

NO. 6 HOFFMAN QUICK VENT FLOAT AIR AND VACUUM VALVE

No. 6 Hoffman Quick Vent Float Air and Vacuum Valve is used in venting steam mains and return lines where it is necessary to prevent the return of air to the system. The valve vents without escape of water or steam. For vapor vacuum installations, where the pressure is three pounds or less, port is $\frac{3}{16}$ ". Above three pounds, $\frac{1}{8}$ " port is supplied. Valve with $\frac{1}{16}$ " port is regularly supplied unless specified to the contrary. Pipe connections $\frac{3}{8}$ ".

List price\$12.00

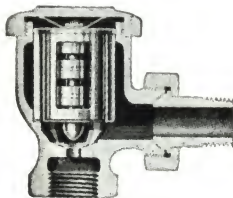


Plate D1256

HOFFMAN RETURN LINE VALVE

No. 8 Hoffman Return Line Valve is used as a radiator trap in vacuum systems to maintain a steam hot radiator and cold return lines. Works with any type of modulating valve. The No. 8 valve with $\frac{1}{2}$ " pipe connections, suitable for 200 sq. ft. radiation, can be supplied in angle, straight-way, right-hand offset, and left-hand offset patterns. This valve is also extensively used as a steam trap for medium pressure service.

List price, all styles\$6.00

Plate D1256A

No. 9 Hoffman Return Line Valve, for the same service as No. 8, is made in angle pattern only with $\frac{3}{4}$ " pipe connections. Capacity 600 sq. ft.

List price\$8.00



Plate D1257

NO. 10 HOFFMAN VAPOR VALVE

No. 10 Hoffman Vapor Valve, a large capacity valve with $\frac{3}{4}$ " venting port. Freely discharges air and exerts positive control over steam and water, preventing their escape through the valve. The purpose of this valve is to handle air in returns of large vapor or vapor vacuum heating systems. Pipe connection $\frac{3}{4}$ ".

List price\$25.00

Plate D1257A

No. 11 Hoffman Vapor Vacuum Valve (not illustrated), similar in construction to the No. 10 Vapor Valve. It has an additional check valve which prevents the return of air through the vent port.

List price\$28.00



Plate D1258

HOFFMAN EQUALIZING LOOP

The Hoffman Equalizing Loop is a device for maintaining a constant water level in vapor or vapor vacuum heating systems, and creating a differential pressure of 10 ounces between steam and return lines. Positive in action. No moving parts. Makes vapor heating safe.

List price\$35.00



Plate D1259

HOFFMAN AIR SEPARATOR

The Hoffman Air Separator provides a positive means of separating air and condensation in the return main. Return main connection $1\frac{1}{2}$ ".

List price\$12.50

MODERN HEATING ACCESSORIES



Plate D1260

HOT WATER THERMOMETERS

Price, each, straight pattern	\$5.00
Price, each, angle pattern	6.00



Plate D1261

EXPANSION TANK SELF-CLEANING WATER GAUGE

Rough Body, Iron Wheels

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Size of glass, inches	$\frac{5}{8} \times 10$	$\frac{5}{8} \times 12$	$\frac{3}{4} \times 16$
Price, each	\$2.75	\$3.00	\$4.50



Plate D1262

EXPANSION TANK WATER GAUGE Rough Body

Size, $\frac{1}{2}$ ". Gauge glass, $\frac{5}{8} \times 12$ ".

Price, each	\$2.60
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Plate D1263

COMPRESSION AIR VALVES With Loose Key

Price, per dozen	\$3.00
Two keys furnished with each dozen.	

Plate 1263A

WOOD WHEEL COMPRESSION AIR VALVES

Price, per dozen	\$4.00
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Plate D1264

RUSSELL STRAIGHT STEM RADIATOR AIR VALVE

Price, $\frac{1}{4}$ ", each	\$1.50
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Plate D1265

NORWALL SIPHON RADIATOR AIR VALVE

Price, each	\$2.50
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MODERN HEATING ACCESSORIES



Plate D1266

AIR COCKS

Size, inches	1/8	1/4	3/8	1/2	3/4
Price, finished, each	\$0.40	\$0.45	\$0.50	\$0.60	\$0.80
Price, rough, each	.35	.40	.45	.55	.75



Plate D1267

COMPRESSION GAUGE COCKS

Size, inches	3/8	1/2	3/4
Price, with stuffing box, each	\$1.20	\$1.30	\$1.45
Price, without stuffing box, each	.95	1.00	1.25



Plate D1268

BALL GAUGE COCKS

Size, inches	3/8	1/2	3/4
Price, each	\$1.00	\$1.00	\$1.10



Plate D1269

SCOTCH GAUGE GLASSES

Length, inches	10	11	12
Price, 1/2 or 3/8-inch, per dozen	\$ 3.00	\$ 3.24	\$ 3.60
Price, 3/4-inch, per dozen	3.60	3.96	4.32
Price, 7/8-inch, per dozen	5.04	5.64	6.12
Price, 1-inch, per dozen	6.12	6.72	7.32
Length, inches	13	14	15
Price, 1/2 or 3/8-inch, per dozen	\$ 3.84	\$ 4.20	\$ 4.44
Price, 3/4-inch, per dozen	4.80	5.16	5.52
Price, 7/8-inch, per dozen	6.60	7.08	7.56
Price, 1-inch, per dozen	7.92	8.52	9.12
Length, inches	16	17	18
Price, 1/2 or 3/8-inch, per dozen	\$ 4.80	\$ 5.04	\$ 5.40
Price, 3/4-inch, per dozen	5.88	6.24	6.60
Price, 7/8-inch, per dozen	8.16	8.64	9.12
Price, 1-inch, per dozen	9.72	10.32	10.92
Length, inches	19	20	22
Price, 1/2 or 3/8-inch, per dozen	\$ 5.64	\$ 6.00	\$ 6.60
Price, 3/4-inch, per dozen	7.08	7.44	8.16
Price, 7/8-inch, per dozen	9.60	10.20	11.16
Price, 1-inch, per dozen	11.52	12.12	13.44
Length, inches	24	*30	36
Price, 1/2 or 3/8-inch, per dozen	\$ 7.20	\$ 9.00	\$10.80
Price, 3/4-inch, per dozen	8.88	11.16	13.44
Price, 7/8-inch, per dozen	12.12	15.24	18.24
Price, 1-inch, per dozen	14.64	18.24	21.96
Length, inches	48	60	72
Price, 1/2 or 3/8-inch, per dozen	\$14.52	\$18.12	\$21.84
Price, 3/4-inch, per dozen	18.00	22.56	27.12
Price, 7/8-inch, per dozen	24.36	30.48	36.48
Price, 1-inch, per dozen	29.16	36.48	43.80

*Lengths, 30 inches and longer, special discount.



Plate D1270

FAVORITE GAUGE GLASS CUTTER

Price, each \$0.60



Plate D1271

CHESTERTON GAUGE GLASS CUTTER

Price, each \$2.00

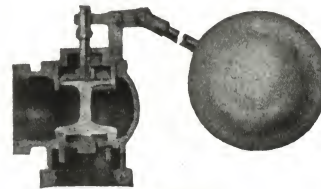


Plate D1272

BALANCED FLOAT VALVES

Size, inches	1	1 1/4	1 1/2
Price, angle type screwed, each	\$10.00	\$12.00	\$15.00
Price, angle type flanged, each			
Size, inches	2	2 1/2	3
Price, angle type screwed, each	\$20.00	\$25.00	\$35.00
Price, angle type flanged, each			
Size, inches	4	5	6
Price, angle type screwed, each	\$50.00	\$80.00	\$110.00
Price, angle type flanged, each	55.00	88.00	121.00

Standard pattern valves suitable for use on cold water pressure up to 200 pounds.

Valves 1" to 1 1/2" inclusive have brass bodies; those 2" and above have iron bodies with brass trimmings.

In ordering, please state whether for cold water, hot water or oil.



Plate D1273

WALLING FLOAT VALVES

Size of pipe, inches	3/4	1	1 1/4	1 1/2
Price, brass body, each	\$1.30	\$1.30	\$1.60	\$2.20
Size of pipe, inches	2	2 1/2	3	
Price, brass body, each	\$3.00	\$4.20	\$6.00	



Plate D1274

NASON PATTERN STEAM TRAPS

Number of steam trap	1	2	3	4	5
Size of pipe connection, inches	3/4	3/4	1	1 1/4	1 1/2
Square feet of surface each will drain	350	900	1400	2000	3500
Lineal feet of 1-inch pipe will drain	1050	2700	4200	6000	10500
Height to top of valve, inches	11	14	15	18 1/2	22
Diameter outside of flanges, inches	11	14	15 1/2	18 1/2	24
Weight, lbs.	46	85	115	185	356
Price, each	\$16.00	\$20.00	\$27.50	\$42.50	\$70.00

Nos. 1, 2 and 3 Steam Traps with plain cover, suitable for 100 lbs. working pressure.

Nos. 4 and 5 Steam Traps with hand hole cover, suitable for 150 lbs. working pressure.

MODERN HEATING ACCESSORIES



Plate D1275

RADIATOR BRONZE

Colors—Pale gold, rich gold, copper, silver, and aluminum. Furnished in one-pound cans. Prices on application.



Plate D1276

BRONZING LIQUID

In gallon, half gallon and quart cans. Prices on application.



Plate D1277

COMBINATION FLOOR AND CEILING PLATES

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4
Price, black	\$.14	\$.15	\$.16	\$.17	\$.20	\$.22
Price, N. P.	.25	.26	.27	.28	.32	.35
Size, inches	1 1/2	2	2 1/2	3	3 1/2	4
Price, black	\$.25	\$.30	\$.50	\$.65	\$.80	\$1.00
Price, N. P.	.38	.45	.65	.80	1.00	1.25

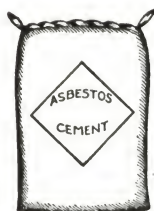


Plate D1278

ASBESTOS CEMENT

Price, per pound\$



Plate D1279

AIR CELL PIPE COVERING



Plate D1280A

WOOL FELT PIPE COVERING

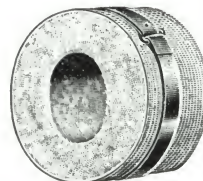


Plate D1280B

ASBESTOS FIRE FELT PIPE COVERING

Inside diameter of pipe, inches	1/2	3/4	1	1 1/4
Price, per lineal foot	\$.22	\$.24	\$.27	\$.30
Inside diameter of pipe, inches	1 1/2	2	2 1/2	3
Price, per lineal foot	\$.33	\$.36	\$.40	\$.45
Inside diameter of pipe, inches	3 1/2	4	4 1/2	5
Price, per lineal foot	\$.50	\$.60	\$.65	\$.70
Inside diameter of pipe, inches	6	7	8	9
Price, per lineal foot	\$.80	\$1.00	\$1.10	\$1.20
Inside diameter of pipe, inches	10	12	14	16
Price, per lineal foot	\$1.30	\$1.85	\$2.10	\$2.35
Inside diameter of pipe, inches	18	20	24	30
Price, per lineal foot	\$2.60	\$2.85	\$3.30	\$4.00

Air Cell Pipe Covering, for medium pressure.

Wool Felt Pipe Covering, for low pressure.

Asbestos Fire Felt Pipe Covering, for high pressure and superheated steam pipes.



Plate D1281

BLAKESLEE'S STEAM JET PUMPS OR EJECTORS

Size of pump inches	Suction pipe inches	Dis-charge pipe inches	Steam pipe inches	Steam opening	Capacity per minute gallons	Price each
3/4	3/4	1/2	3/4	3-16	8	\$ 8.00
1	1	3/4	1/2	4-16	15	10.00
1 1/4	1 1/4	1	1/2	5-16	20	12.00
1 1/2	1 1/2	1 1/4	3/4	6-16	30	14.00
2	2	1 1/2	3/4	7-16	40	16.00
2 1/2	2 1/2	2	1	8-16	50	20.00
3	3	2 1/2	1	9-16	60	24.00

The above capacities are based on 50-pound steam pressure.

The limit of perpendicular suction is 14 feet and will require steam pressure of 25 pounds or above.

Special Pumps furnished for higher suction power.

Liquids may be forced to an elevation equal to about one foot to each pound steam pressure. We, however, recommend two Pumps, one placed above the other, for elevations above 50 feet.

These Pumps will work in any position.

MODERN PIPE AND PIPELESS FURNACES



Plate D1282
Modern Pipeless Furnace



Plate D1283
Modern Pipe Furnace

DOMINANT FEATURES OF THE MODERN PIPE AND PIPELESS FURNACES

ONE-PIECE solid cast radiator, one-piece ornamental front, improved damper system, better cleaning features, large combustion dome, extra heavy castings, anti-clinker grates, slotted firepot and larger air spaces.

All Modern Furnaces are guaranteed to be made of first-class materials, free from flaws and imperfect workmanship.

MODERN PIPELESS FURNACE Specifications and Price List

No.	Diam- eter firepot	Diam- eter inside casing	Diam- eter outside casing	Weight	Estimated capacity cubic feet	List price cast radiator	List price steel radiator	Less casings cast radiator	Less casings steel radiator	Size register
1120	20	36	44	1100	10-15-M	\$210.00	\$200.00	\$180.00	\$170.00	28x28
1122	22	40	50	1300	12-20-M	230.00	220.00	195.00	185.00	30x30
1124	24	44	54	1500	18-30-M	260.00	250.00	220.00	210.00	30x30—30x36
1126	26	48	58	1650	25-40-M	310.00	295.00	265.00	250.00	36x36
*1128	28	54	64	1750	30-50-M	375.00	360.00	325.00	310.00	40x40

*3% added to net cost of furnace for oxidized copper faces.

MODERN PIPE FURNACE Specifications and Price List

No.	Diameter firepot	Diameter casing	Diameter smoke pipe	Heating capacity	Approx. ship. wt.	Furnace list price	Casing list price
320	20	36	8	8000	850	\$110.00	\$18.50
322	22	40	8	15000	980	130.00	21.50
324	24	44	9	20000	1100	150.00	25.00
326	26	48	9	25000	1400	190.00	28.50
328	28	54	9	35000	1600	250.00	31.50

MODERN COMPLETE WATER SUPPLY SYSTEMS

SMALL SIZED SYSTEM FOR CISTERN OR SHALLOW WELL

Pump Capacity 120 Gallons per Hour. Maximum Suction Lift, 22 Feet.



Plate D1284

THE illustration shows the most satisfactory and practical Outfit for small size residences. It consists of Double-Acting Pump, Tank Base for Pump and Tank, and all necessary equipment ready for connecting to plumbing and electric service wires.

This System will deliver automatically water under pressure from a cistern, lake or well to the bathroom, kitchen sink and laundry. It is compact and absolutely reliable and quiet in operation.

Modern Air-Tight Tanks

We strongly recommend the use of MODERN upright tanks included with this system, as they are specially welded, guaranteed air-tight and are equipped with both pressure and water gauges. These tanks are also specially tapped so that the discharge line from the pump will lead directly into the tank without any overhead loops.

Fresh Water from the Well

This System can be equipped with the Fresh Water Valve which supplies water direct from the well for drinking purposes.

Complete System Includes:

- | | |
|---|---|
| 1 Monarch Double-Acting Shallow Well Pump. | 1 Pressure Relief Valve. |
| 1 Black or Galvanized Iron Welded Tank. | 1 3" Pressure Gauge. |
| 1 Base for pump and tank. Furnished only with Systems No. 101 to 106 inclusive. | 1 12" Water Gauge. |
| | 1 Discharge Connection which includes a special union and shut-off valve. |

SIZES, CAPACITIES, WEIGHTS, ETC.

Catalog Number	Tank Capacity Gallons	Kind of Tank	Size of Tank	Motor	Shipping Weights	
					Domestic	Foreign
System No. 101	35	Black	18x30"	1/8 h.p.	215 lbs.	300 lbs.
System No. 102	35	Galv.	18x30"	1/8 h.p.	215 lbs.	300 lbs.
System No. 103	70	Black	18x60"	1/8 h.p.	255 lbs.	360 lbs.
System No. 104	70	Galv.	18x60"	1/8 h.p.	255 lbs.	360 lbs.
System No. 105	120	Black	24x60"	1/8 h.p.	360 lbs.	500 lbs.
System No. 106	120	Galv.	24x60"	1/8 h.p.	360 lbs.	500 lbs.
System No. 107	220	Black	30x72"	1/8 h.p.	645 lbs.	700 lbs.
System No. 108	220	Galv.	30x72"	1/8 h.p.	645 lbs.	700 lbs.
System No. 109	315	Black	36x72"	1/8 h.p.	715 lbs.	775 lbs.
System No. 110	315	Galv.	36x72"	1/8 h.p.	715 lbs.	775 lbs.

When ordering Water Supply Systems, give System Number and specify 32, 110 or 220 Volts if Direct Current. If Alternating Current, specify 110 or 220 Volts and give number of cycles.

MODERN COMPLETE WATER SUPPLY SYSTEMS

MODERN DEEP WELL WATER SUPPLY SYSTEM

Requirements Not More Than 375 Gallons per Hour

THE illustration shows the Modern Electric Deep Well Pump, with tank, gauges, necessary valves and fittings to make up a complete System. Any size tank, either vertical or horizontal, may be used in connection with these Pumps.

AUTOMATIC IN OPERATION

This System is automatic in operation, starting when the pressure has been reduced to 20 pounds and stopping when the maximum pressure of 40 pounds has been developed. These Systems may be adjusted to 50 pounds maximum pressure if desired.

COMPLETE SYSTEM INCLUDES

One style No. 610, No. 630, No. 650 or No. 670 Deep Well Head, with $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, or $\frac{3}{4}$ h.p. motor for any voltage, with silent chain drive, discharge valve, air chamber, air pump, well cylinder, relief valve, automatic two-pole pressure control switch, discharge fittings and pressure tank complete with water and pressure gauges.

FRESH WATER VALVE

The Modern Fresh Water Valve, when connected in discharge line between pump and tank, allows fresh water to be drawn direct from the well without passing through the pressure tank. This means a cool, fresh drink at the turn of a faucet.



SIZES, CAPACITIES, ETC.

Cap. Gal. per Hour	Style No.	Depth to Lower End Well Cylinder	Diameter Well Cylinder		Minimum Size Drop Size	Strokes per Minute	H. P. Motor	Shipping Weights	
			I. D.	O. D.				Domestic	Foreign
120	610	35 ft.	1 $\frac{1}{8}$ "	2 $\frac{3}{4}$ "	2"	32	$\frac{1}{4}$	210	260
120	630	75 ft.	1 $\frac{1}{8}$ "	2 $\frac{3}{4}$ "	2"	32	$\frac{1}{3}$	220	270
150	650	150 ft.	1 $\frac{1}{8}$ "	2 $\frac{3}{4}$ "	2"	41	$\frac{1}{2}$	235	285
250	650	50 ft.	2 $\frac{1}{4}$ "	3 $\frac{9}{32}$ "	2 $\frac{1}{2}$ "	41	$\frac{1}{2}$	235	285
150	670	250 ft.	1 $\frac{1}{8}$ "	2 $\frac{3}{4}$ "	2"	41	$\frac{3}{4}$	250	300
250	670	125 ft.	2 $\frac{1}{4}$ "	3 $\frac{9}{32}$ "	2 $\frac{1}{2}$ "	41	$\frac{3}{4}$	250	300
375	670	50 ft.	2 $\frac{3}{4}$ "	3 $\frac{1}{8}$ "	3"	41	$\frac{3}{4}$	250	300

NOTE.—When ordering, give Style Number and specify 32, 110 or 220 Volts if Direct Current. If Alternating Current, specify 110 or 220 Volts and give number of cycles, give size of Tank also if it is to be Black or Galvanized, Vertical or Horizontal.

GUARANTEE

We guarantee all of our pumps to be made of first class material and in a workmanlike manner and that they will, when properly installed, perform the work for which they were designed. If any part proves defective, we will furnish a new part to replace the same without charge. Parts claimed defective must be sent to us, transportation charges prepaid, for our inspection.

MODERN COMPLETE WATER SUPPLY SYSTEMS



Plate D1286

Double Acting Hand Pump with Air Attachment, Tank Horizontal or Vertical as Shown

THIS outfit is intended for private homes where the water is to be pumped from a cistern or a shallow well, where the water does not stand more than 20 feet below the base of the pump. The tank has a total capacity of 295 gallons and a working capacity of nearly 200 gallons. This amount will usually supply the requirements of the average family for two days. Air is forced into the tank when required which is usually not more than once in three or four days and is pumped into the tank with the water with our special water and air pump.

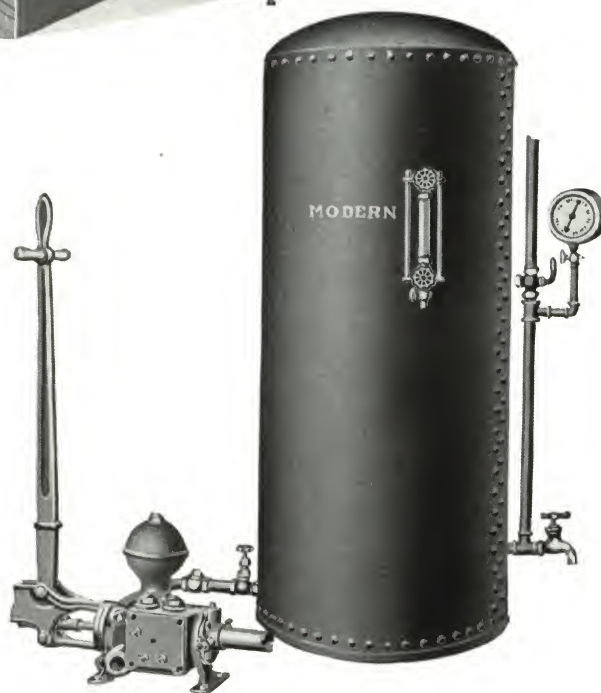


Plate D1287

We recommend the use of a foot valve on the bottom of the suction pipe so as to make the pump easier to operate with no loss of water back into the well. Should the source of supply be from a cistern or spring which is at a higher level than the pump, we recommend that the gate valve furnished be placed in the suction side instead of the discharge, so that when the air is to be forced into the tank this gate valve be partially closed so that the pump will handle a larger portion of air than water.

These outfits include the following:

- 1—30"x8" tank.
- 1—Brass lined water and air pump.
- 1—Pressure gauge.
- 1—Water gauge.
- 1—1" gate valve.

- 1—1" check valve.
- 1— $\frac{3}{4}$ " stop and waste cock.
- 1— $\frac{3}{4}$ " hose bibb.
- 2—Wooden tank supports for the horizontal tank.
- All pipe and fittings illustrated in cut.

Price	\$200.00
Outfit with 30"x6" tank	175.00

Larger or smaller tank can be furnished with these outfits when specified at extra cost.

MODERN PNEUMATIC TANKS



Plate D1288

Modern Pneumatic Tanks have double riveted longitudinal seams; single riveted girth seams. Heads are machine flanged and dished. Each tank coated on outside with a preserving paint.

Modern Pneumatic Tanks are tested to 125 lbs. air pressure and guaranteed for 80 lbs. working pressure.

Tanks furnished in either vertical or horizontal pattern. Unless otherwise specified, tanks up to and including 6 ft. in length will be furnished vertical pattern. Longer tanks regularly tapped horizontal.

Sizes given below of black steel construction carried in stock for immediate shipment.

Galvanized tanks made upon receipt of order.

Tanks coated on inside with a preserving paint quoted on application.

Larger sizes quoted on application.

Manufacturers' Standard List Revised January 1st, 1920

Diameter, inches	Size Length, feet	Approximate Capacity, gallons	Approximate weight	List Price Black and Galvanized
24	5	120	390	\$120.00
24	6	140	440	135.00
24	10	245	660	204.00
30	6	220	590	172.00
30	8	295	720	212.00
30	10	365	850	244.00
36	6	315	730	205.00
36	8	420	890	255.00
36	10	525	1050	295.00
36	12	630	1200	330.00
36	14	735	1380	380.00
42	8	570	1370	365.00
42	10	720	1630	425.00
42	12	865	1880	480.00
42	14	1000	2150	545.00
48	10	940	1930	490.00
48	14	1300	2540	620.00
48	16	1500	2830	690.00
48	20	1880	3440	835.00
48	24	2260	4018	965.00

List of Extras for Pneumatic Tanks

2 -inch flange, each	\$ 8.00
2½ -inch flange, each	8.00
3 -inch flange, each	9.00
3½ -inch flange, each	9.00
4 -inch flange, each	10.00
Manhole in head, each	30.00
Manhole in shell, each	45.00
Handhole in head, each	8.00
Handhole in shell, each	8.00

DOUBLE ACTING POWER PUMP

Size of cylinder	Capacity per hour, gallons	Approx. pressure, pounds	Elevation, feet	Price with cast gears	Price with mch. cut gears
2½ x 4½	475	100	200	\$48.00	.....
3 x 4½	700	75	150	48.00	.....
2½ x 4½	475	100	200	.....	\$53.00
3 x 4½	700	75	150	.....	53.00

This power pump embodies every atom of pump perfection; every part is heavily constructed. It is a pump of high efficiency for pneumatic water systems, or other purposes, where vertical suction does not exceed 25 feet below pump cylinder.

For electric motor power we can furnish any size pulley, suitable for motor of any speed, at small additional expense.

Horse power required: Gasoline engine—up to 40 lbs. pressure 1 HP.; 60 lbs. 1½ HP.; 100 lbs. 2 HP.; Electric motor—up to 40 lbs. pressure ½ HP.; 65 lbs. ¾ HP.; 100 lbs. 1 HP.; using 2½" cylinder.

Dimensions of Pump

Length 41"

Width 22"

Height 20"

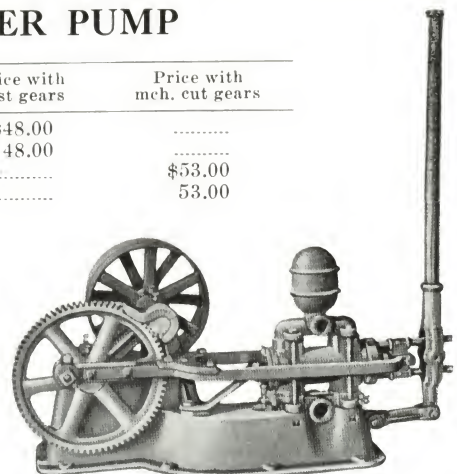


Plate D1289

MODERN STORAGE TANKS

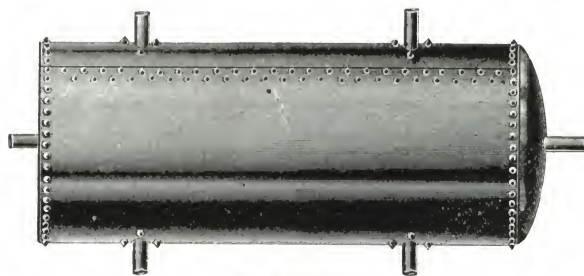


Plate D1290

FOR vertical or horizontal installation. All Standard Storage Tanks are tested to a hydrostatic pressure of 100 pounds to the square inch, and are guaranteed for a working pressure of 65 pounds to the square inch. Extra heavy storage tanks are tested to a hydrostatic pressure of 150 pounds to the square inch, and are guaranteed for a working pressure of 100 pounds to the square inch. All longitudinal seams are double riveted. Heads are flanged and dished in both Standard and Extra Heavy Storage Tanks.

STANDARD BLACK STORAGE TANKS
Manufacturer's Standard List, Revised March 1, 1921

Capacity, Gallons	Size Diam- eter, Inches	Length, Feet	Approx- imate Shipping Weight	Regular Openings, Inches	List Price Black and Galvanized
66	20	4	270	1½	\$ 94.00
85	20	5	310	1½	104.00
100	24	4	320	1½	109.00
120	24	5	380	1½	123.00
140	24	6	440	1½	134.00
150	30	4	430	2	143.00
180	30	5	500	2	158.00
220	30	6	555	2	173.00
250	30	7	630	2	196.00
295	30	8	700	2	211.00
315	36	6	700	2	206.00
365	36	7	780	2	241.00
420	36	8	870	2	256.00
525	36	10	1030	2	293.00
430	42	6	890	2	276.00
500	42	7	980	2	310.00
575	42	8	1070	2	333.00
720	42	10	1250	2	375.00
865	42	12	1430	2	415.00
1000	42	14	1620	2	468.00

Above list includes standard tappings as shown.

STEAM COILS FOR STORAGE TANKS
Built In Tanks When Specially Ordered

	Size Coil	List Price Plain Coil	List Price Galv. Coil
20x 4	4 pipes 1 "	\$29.00	\$35.00
20x 5	4 pipes 1 "	30.50	38.50
24x 4	4 pipes 1¼ "	35.50	42.00
24x 5	4 pipes 1¼ "	37.00	45.00
24x 6	4 pipes 1¼ "	38.50	48.00
30x 4	4 pipes 1¼ "	35.50	42.00
30x 5	4 pipes 1¼ "	37.00	45.00
30x 6	4 pipes 1¼ "	38.50	48.00
30x 7	4 pipes 1¼ "	40.00	51.00
30x 8	4 pipes 1¼ "	41.50	54.00
36x 6	4 pipes 1½ "	51.00	62.00
36x 7	4 pipes 1½ "	54.00	66.00
36x 8	4 pipes 1½ "	57.50	70.00
36x10	4 pipes 1½ "	64.00	78.00
42x 6	4 pipes 1½ "	51.00	62.00
42x 7	4 pipes 1½ "	54.50	66.00
42x 8	4 pipes 1½ "	57.50	70.00
42x10	4 pipes 1½ "	64.00	78.00
42x12	4 pipes 1½ "	70.50	85.00
42x14	4 pipes 1½ "	77.00	93.00

Prices on Brass I. P. S. Coils quoted on application.

EXTRA HEAVY BLACK STORAGE TANKS
Manufacturer's Standard List, Revised March 1, 1921

Capacity, Gallons	Size Diam- eter, Inches	Length, Feet	Weight, Lbs.	Regular Openings, Inches	List Price Black and Galvanized
120	24	5	390	1½	\$137.00
140	24	6	440	1½	155.00
180	30	5	520	2	182.00
220	30	6	590	2	198.00
250	30	7	660	2	224.00
295	30	8	720	2	242.00
315	36	6	920	2	264.00
365	36	7	1030	2	300.00
420	36	8	1160	2	328.00
525	36	10	1380	2	385.00
430	42	6	1140	2	345.00
500	42	7	1260	2	390.00
575	42	8	1400	2	420.00
720	42	10	1660	2	480.00
865	42	12	1910	2	540.00
1000	42	14	2180	2	614.00
750	48	8	1690	3	510.00
940	48	10	1960	3	580.00
1130	48	12	2250	3	650.00
1300	48	14	2570	3	715.00
1500	48	16	2860	3	800.00
1700	48	18	3150	3	870.00

Above list includes standard tappings as shown.

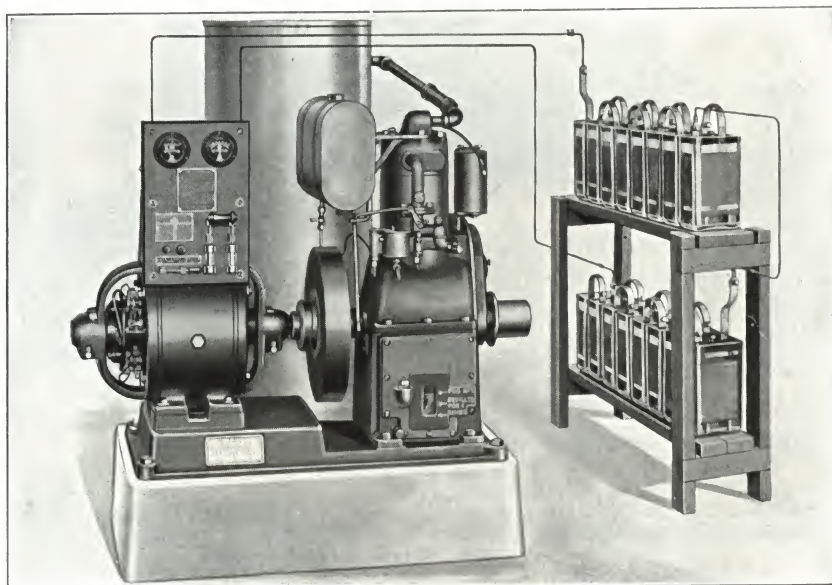
**LIST OF EXTRAS FOR STANDARD AND EXTRA HEAVY
STORAGE TANKS**

2 -inch flange, each	\$ 8.00
2½ -inch flange, each	8.00
3 -inch flange, each	9.00
3½ -inch flange, each	9.00
4 -inch flange, each	10.00
Manholes in head, each	30.00
Manholes in shell, each	45.00
Handholes in head, each	8.00
Handholes in shell, each	8.00

MODERN FARM LIGHT AND POWER PLANTS

DIRECT CONNECTED

ALL
PLANTS
ARE
FULLY
GUARANTEED



EVEN
A
CHILD
CAN
OPERATE
THIS
PLANT

Plate D1291
A Complete Direct Connected Lighting Plant

SPECIFICATIONS

DIRECT connected plants are so easily operated that they are fast taking the place of belt driven plants. Our plant is designed to be as nearly automatic as possible without being so complicated that you have no end of trouble. It is so simple and accessible that you will soon understand each part of it thoroughly.

Engine:—A well balanced 3 H.P. four cycle engine is incorporated in this plant. It has a $2\frac{3}{4}$ " bore and 4" stroke with a speed of 1200 R.P.M. It is water cooled and does not get hot enough to even burn the paint off of the cylinders. It is connected to the generator by means of a high grade flexible coupling which is incorporated in the flywheel. A belt pulley is provided so a line shaft can be driven if desired.

Generator:—The generator is shunt wound and has a capacity of 1000 watts, 25 amperes, 40 volts. It is equipped with large brushes which reduces sparking to a minimum. Oil ring bearings are used which insures perfect lubrication with very little attention.

Switchboard:—It is very compact and is mounted directly on the generator. It is equipped with voltmeter, ammeter, line switch, load regulating switch, push button starting, stopping and ignition switch, and automatic cutout. The very best materials obtainable are used in constructing the switchboard.

Batteries:—Furnished in three sizes each having 16 cells making 32 volts. They are the Faure type and especially designed for this service. We offer attractive prices on sets of storage batteries to be used on other makes of plants and for replacement purposes.

PRICE LIST DIRECT CONNECTED LIGHT AND POWER PLANTS

32 VOLT WITH 16 CELL SEALED GLASS JAR STORAGE BATTERIES Lamp Capacity—Shipping Weight:

Plant Number	List Price	Combined Lamp Capacity of Generator and Battery in 20 Watt Lamps for 8 Hours	BATTERY LAMP CAPACITY IN 20 WATT LAMPS			BATTERY AMPERE HOUR CAPACITY		Generator Lamp Capacity in 20 Watt Lamps	Generator Ampere Capacity	Approximate Shipping Weight Pounds
			8 Hour	5 Hour	3 Hour	8 Hour Discharge Rating	72 Hour Intermittent S. A. E. Rating			
DC 200	\$570.00	58	18	25	36	90	110	40	25	1000
DC 201	595.00	64	24	33	48	120	150	40	25	1100
DC 203	625.00	70	30	41	60	150	180	40	25	1200

Price of Plant Complete Less Battery, \$440.00. Shipping Weight, 450 Pounds. Boxed for Domestic Shipment. Accessories Included With Engine:

- 1—Hand Starting Crank.
- 1—Exhaust Muffler.
- 1— $1\frac{1}{4}$ "x1" Reducer for Exhaust Pipe.
- 1—Set of Wrenches.
- 1—Water Cooling Tank with Fittings for making Close-Up Connections between Engine and Tank.

- 1—Hydrometer.
- 1—Extra Gallon Electrolyte.
- 2—Extra Glass Fuses.

(Note—Refer to page 101 for belt driven power plants)

MODERN FARM LIGHT AND POWER PLANTS

BELT DRIVEN

A
NECESSITY
IN YOUR
HOME

A
REAL
LABOR
SAVER

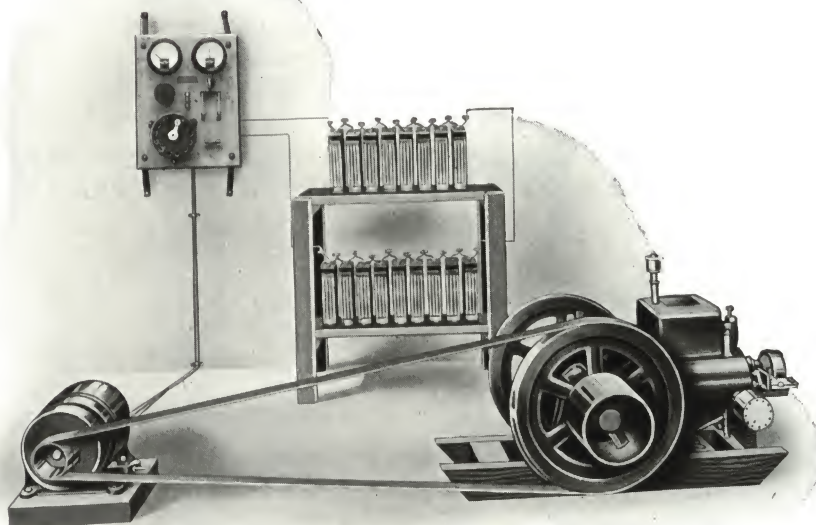


Plate D1292

SPECIFICATIONS

The above illustration shows a typical installation of a belt driven farm lighting plant. This type of lighting plant was designed to fill the need for a plant which can be driven by engines already owned by the customer, thereby effecting quite a saving in the initial cost of the plant. These plants will give just as good service and will last just as long as any direct connected plant. However, they are not quite so easily operated since they are not equipped with an electric starter, unless ordered special.

The generator which is furnished is capable of carrying its full-rated load continuously and is designed and manufactured by one of the leading manufacturers in the United States. The storage batteries are of the glass jar type, and are especially designed for farm lighting plant service. The switchboard is constructed of the highest grade materials obtainable and is equipped with all necessary apparatus for controlling the generator and batteries. Prices of engines and belts are not included in list prices shown below.

Standard Plants

25 LIGHT SIZE (Type A-60) is furnished with standard switchboard, $\frac{1}{2}$ K. W. 40 volt generator, and 16 cells of 60 ampere hour sealed glass jar storage batteries making 32 volts.

List Price\$300.00

40 LIGHT SIZE (Type B-90) is furnished with standard switchboard, $\frac{3}{4}$ K. W. 40 volt generator, and 16 cells of 90 ampere hour sealed glass jar storage batteries making 32 volts.

List Price\$360.00

50 LIGHT SIZE (Type C-120) is furnished with standard switchboard, 1 K. W. 40 volt generator, and 16 cells of 120 ampere hour sealed glass jar storage batteries making 32 volts.

List Price\$430.00

Prices, using larger sized batteries, will be furnished upon request.

The illustration on the right of page shows type of switchboard furnished in connection with generators up to 50 K. W. capacity and 110 volt storage batteries. Prices on application.



Plate D1293

BRASS PIPE



Plate D1400

SEAMLESS BRASS PIPE

IRON PIPE SIZES—REGULAR AND EXTRA HEAVY—ALSO TABLE SHOWING
ACTUAL SIZES AND APPROXIMATE WEIGHT PER FOOT

PRICE LIST

Iron Pipe Size	Price per Lb. in Cents Advance on Base Price	Outside Diameter Ins.	Regular Inside Diameter Ins.	Thickness Ins.	Weight per Foot Lbs.	Outside Diameter Ins.	Extra Heavy Inside Diameter Ins.	Thickness Ins.	Weight per Foot Lbs.
$\frac{1}{8}$	8	.405	.281	.064	.25	.405	.205	.100	.370
$\frac{1}{4}$	7	.540	.375	.083	.43	.540	.294	.123	.625
$\frac{3}{8}$	2	.675	.484	.096	.62	.675	.421	.127	.830
$\frac{1}{2}$	1	.840	.625	.107	.90	.840	.542	.149	1.200
$\frac{3}{4}$	Base	1.050	.822	.114	1.25	1.050	.736	.157	1.660
1	Base	1.315	1.062	.126	1.70	1.315	.951	.182	2.360
$1\frac{1}{4}$	Base	1.660	1.368	.146	2.50	1.660	1.272	.194	3.300
$1\frac{1}{2}$	Base	1.900	1.600	.150	3.00	1.900	1.494	.203	4.250
2	Base	2.375	2.062	.157	4.00	2.375	1.933	.221	5.460
$2\frac{1}{2}$	Base	2.875	2.500	.188	5.75	2.875	2.315	.280	8.300
3	Base	3.500	3.062	.219	8.30	3.500	2.892	.304	11.200
$3\frac{1}{2}$	1	4.000	3.500	.250	10.90	4.000	3.358	.321	13.700
4	2	4.500	4.000	.250	12.70	4.500	3.818	.341	16.500
$4\frac{1}{2}$	4	5.000	4.500	.250	13.90	5.000	4.250	.375	19.470
5	6	5.563	5.062	.250	15.75	5.563	4.813	.375	22.800
6	7	6.625	6.125	.250	18.31	6.625	5.750	.437	32.000

BRASS FITTINGS

Plate D1401

BRASS STEAM FITTINGS FOR STEAM WORKING PRESSURE UP TO 125 POUNDS

Iron Pipe Thread—Malleable Pattern

Size, inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Elbows, Rough	.12	.15	.20	.28	.40	.63	.90	1.20	2.00	3.50	6.00	8.00	10.00
Elbows, N. P.	.36	.42	.53	.65	.87	1.25	1.75	2.25	3.35	6.15	10.00	16.00	20.00
Reducing Elbows, Rough		.19	.25	.35	.50	.80	1.10	1.50	2.50	4.25	7.50	10.00	12.50
Reducing Elbows, N. P.		.52	.65	.82	1.10	1.60	2.15	2.85	4.15	7.60	12.50	20.00	25.00
Elbows, 45° Rough	.16	.20	.25	.31	.40	.63	.90	1.20	2.00	3.50	6.00	8.00	10.00
Elbows, 45° N. P.	.45	.53	.65	.78	1.00	1.43	1.95	2.55	3.65	6.85	11.00	18.00	22.50
Elbows, Street, Rough	.25	.27	.33	.48	.63	.85	1.50	2.00	3.25	6.00	10.00		
Elbows, Street, N. P.	.54	.60	.73	.95	1.23	1.65	2.55	3.35	4.90	9.35	15.00		
Elbows, Side Outlet, Rough		.45	.60	.85	1.20	1.90	2.75	3.60	6.00	10.50	18.00		
Elbows, Side Outlet, N. P.		1.25	1.60	2.00	2.60	3.75	5.35	6.80	10.00	18.50	30.00		
Elbows, Drop Female, Rough			.35	.45	.65	1.05	1.50	2.00	3.40				
Elbows, Drop Female, N. P.			1.00	1.25	1.65	2.30	3.20	4.10	6.00				
Tees, Rough	.17	.21	.28	.40	.55	.85	1.25	1.70	2.80	5.00	8.50	11.00	14.00
Tees, N. P.	.50	.58	.75	.93	1.22	1.70	2.45	3.15	4.65	8.65	14.00	22.30	28.00
Tees, Reducing, Rough		.25	.35	.50	.70	1.05	1.55	2.10	3.50	6.25	10.50	14.00	17.50
Tees, Reducing, N. P.		.72	.90	1.15	1.50	2.10	3.00	3.95	5.85	10.90	17.50	28.00	35.00
Tees, Drop (Single Ear), Rough			.43	.57	.80	1.25	1.85	2.50	4.20				
Tees, Drop (Single Ear), N. P.			1.33	1.62	2.15	2.95	4.25	5.45	7.90				
Tees, Drop (Dble. Ear), Rough			.58	.74	1.05	1.70	2.45	3.30	5.60				
Tees, Drop (Dble. Ear), N. P.			1.48	1.80	2.40	3.40	4.85	6.25	9.30				
Tees, Side Outlet, Rough				1.20	1.65	2.50	3.75	5.00	8.50				
Tees, Side Outlet, N. P.				2.35	3.05	4.35	6.35	8.20	12.50				
Crosses, Rough	.25	.30	.40	.55	.80	1.25	1.80	2.40	4.00	7.00	12.00	16.00	20.00
Crosses, N. P.	.72	.84	1.05	1.30	1.75	2.50	3.50	4.50	6.70	12.30	20.00	32.00	40.00
Crosses, Reducing, Rough		.38	.50	.70	1.00	1.55	2.25	3.00	5.00	8.75	15.00	20.00	25.00
Crosses, Reducing, N. P.		1.05	1.30	1.65	2.15	3.15	4.35	5.70	8.30	15.40	25.00	40.00	50.00

(Brass Fittings continued on next page)

BRASS FITTINGS

(Continued from page 102)

BRASS STEAM FITTINGS FOR STEAM WORKING PRESSURE UP TO 125 POUNDS

Iron Pipe Thread—Malleable Pattern

Size, inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Couplings, Rough	.10	.13	.17	.25	.37	.55	.80	1.00	1.60	2.50	3.50	5.25	7.00
Couplings, N. P.	.29	.33	.42	.53	.72	1.00	1.45	1.80	2.60	4.50	6.50	11.25	14.25
Couplings, R. & L., Rough	.13	.17	.22	.30	.45	.70	1.00	1.30	2.00	3.10	4.50	.....	.....
Couplings, R. & L., N. P.	.37	.44	.55	.67	.92	1.30	1.85	2.35	3.35	5.75	8.50	.....	.....
Couplings, Reducing, Rough	.....	.15	.20	.28	.40	.60	.90	1.10	1.75	2.75	4.00	6.00	8.00
Couplings, Reducing, N. P.	.....	.42	.53	.65	.87	1.20	1.75	2.15	3.10	5.40	8.00	14.00	18.00
Bushings, Regular, Rough	.....	.10	.12	.15	.22	.35	.50	.70	1.00	1.50	2.50	3.75	5.00
Bushings, Regular, N. P.	.....	.26	.32	.42	.55	.82	1.15	1.65	2.35	3.50	5.15	7.10	9.00
Bushings, Faced, Rough	.....	.12	.15	.19	.27	.44	.62	.87	1.25	1.85	3.10	4.75	6.25
Plugs, Regular, Rough	.....	.08	.10	.12	.15	.20	.30	.45	.60	.95	1.50	2.25	3.75
Plugs, Regular, N. P.	.....	.28	.37	.45	.52	.67	.90	1.20	1.55	2.30	3.50	4.90	7.10
Plugs, Solid, Rough	.....	.....	.18	.22	.30	.45	.80	1.20	1.90	3.00	4.50	7.50	10.00
Plugs, Solid, N. P.	.....	.....	.51	.59	.77	1.05	1.55	2.15	3.25	5.00	7.15	10.85	14.00
Plugs, Countersunk, Rough	.....	.....	.....	.22	.30	.45	.65	.90	1.40	2.25	3.40	5.60	7.50
Plugs, Countersunk, N. P.	.....	.....	.....	.49	.63	.92	1.30	1.75	2.55	.....	.....	.....	.....
Caps, Rough	.10	.13	.16	.20	.30	.42	.60	.80	1.25	2.50	3.50	5.50	7.00
Caps, N. P.	.23	.29	.36	.47	.63	.89	1.25	1.75	2.60	4.50	6.15	8.85	11.00
Locknuts, Rough	.10	.10	.12	.15	.20	.28	.40	.55	.80	1.75	2.75	4.00	5.00
Locknuts, N. P.	.29	.30	.39	.48	.60	.77	1.00	1.30	1.85	3.75	5.40	7.35	9.00
Return Bends, Close Pat., Rough	.30	.40	.55	.70	1.00	1.25	1.80	2.50	4.25	7.00	10.00	.....	.....
Return Bends, Close Pat., N. P.	.....	.....	1.55	1.85	2.40	3.10	4.40	5.70	8.25	15.00	22.00	.....	.....
Return Bends, Open Pat., Rough	.....	.50	.60	.80	1.10	1.40	2.15	3.00	4.75	8.25	11.00	.....	.....
Return Bends, Open Pat., N. P.	.....	.....	1.60	1.95	2.50	3.25	4.75	6.20	8.75	16.25	23.00	.....	.....
Wyes, Rough	.....	.....	.60	.75	1.10	1.65	2.50	3.30	5.50	9.50	16.00	21.00	26.00
Wyes, N. P.	.....	.....	1.60	1.90	2.50	3.50	5.10	6.50	9.50	17.50	28.00	37.00	46.00

GROUND JOINT BRASS UNIONS FOR 125 LBS. STEAM WORKING PRESSURE

Unions, Rough	.40	.50	.65	.85	1.15	1.60	2.25	2.70	4.00	7.50	11.50	.....	.....
Unions, Semi-Finished	.45	.55	.75	.95	1.30	1.75	2.50	3.00	4.50	8.25	12.75	22.50	30.00
Unions, N. P.	.60	.72	1.02	1.25	1.68	2.28	3.30	3.90	6.00	10.80	16.80	30.00	39.50

Note—Right and left elbows, right and left return bends, bushings and reducers, reducing more than two sizes, furnished at an advance of 25% over above prices.

BRASS NIPPLES

IRON PIPE SIZE

Size	Length Close	Close	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"
1/8 inch	3/4	.....	.11	.13	.15	.17	.19	.21	.23	.25	.29	.31
1/4 inch	7/8	.....	.13	.16	.19	.22	.25	.28	.31	.34	.37	.43
3/8 inch	1	.....	.15	.19	.23	.27	.31	.35	.39	.43	.47	.55
1/2 inch	1 1/8	.....	.23	.25	.30	.35	.40	.45	.50	.55	.60	.70
3/4 inch	1 3/8	.....	.28	.....	.35	.42	.49	.56	.63	.70	.77	.91
1 inch	1 1/2	.....	.37	.....	.44	.53	.62	.71	.80	.89	.98	1.07
1 1/4 inches	1 5/8	.....	.60	.....	.....	.75	.88	1.01	1.14	1.27	1.40	1.53
1 1/2 inches	1 3/4	.....	.70	.....	.....	.90	1.05	1.20	1.35	1.50	1.65	1.80
2 inches	2	.....	1.00	.....	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60
2 1/2 inches	2 1/2	.....	1.70	.....	.....	2.00	2.30	2.60	2.90	3.20	3.50	3.80
3 inches	2 3/2	.....	2.50	.....	.....	2.90	3.30	3.70	4.10	4.50	4.90	5.30
3 1/2 inches	2 3/4	.....	4.00	.....	.....	.....	.....	5.40	6.00	6.60	7.20	7.80
4 inches	3	.....	4.75	.....	.....	.....	.....	6.15	6.85	7.55	8.25	8.95
4 1/2 inches	3	.....	5.50	.....	.....	.....	.....	7.20	8.05	8.90	9.75	10.60
5 inches	3 1/2	.....	8.50	.....	.....	.....	.....	.....	10.60	11.65	12.70	13.75
6 inches	3 1/2	.....	11.50	.....	.....	.....	.....	.....	14.10	15.40	16.70	18.00

Note—Polished Brass Nipples longer than close, 25% extra.

STANDARD STEAM, GAS AND WATER PIPE

BLACK AND GALVANIZED

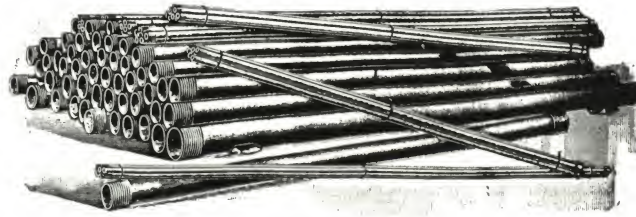


Plate D1402

STANDARD FULL WEIGHT PIPE

Black and Galvanized

ALL WEIGHTS AND DIMENSIONS ARE NOMINAL

Size	List Price per Foot	Thickness	Wt. per Ft. Threads and Couplings	Threads per Inch
1/8	.05 1/2	.068	.245	27
1/4	.06	.088	.425	18
3/8	.06	.091	.568	18
1/2	.08 1/2	.109	.852	14
3/4	.11 1/2	.113	1.134	14
1	.17	.133	1.684	11 1/2
1 1/4	.23	.140	2.281	11 1/2
1 1/2	.27 1/2	.145	2.731	11 1/2
2	.37	.154	3.678	11 1/2
2 1/2	.58 1/2	.203	5.819	8
3	.76 1/2	.216	7.616	8
3 1/2	.92	.226	9.202	8
4	1.09	.237	10.889	8
4 1/2	1.27	.247	12.642	8
5	1.48	.258	14.810	8
6	1.92	.280	19.185	8
7	2.38	.301	23.769	8
8	2.50	.277	25.000	8
8	2.88	.322	28.809	8
9	3.45	.342	34.188	8
10	3.20	.279	32.000	8
10	3.50	.307	35.000	8
10	4.12	.365	41.132	8
11	4.63	.375	46.247	8
12	4.50	.330	45.000	8
12	5.07	.375	50.706	8
13	5.60	.375	55.824	8
14	6.10	.375	60.375	8
15	6.50	.375	64.500	8

The permissible variation in weight is 5 per cent above and 5 per cent below.

Furnished with threads and couplings and in random lengths unless otherwise ordered.

All weights given in pounds. All dimensions given in inches.

For cut lengths, an extra charge will be made above random lengths.

For pipe smoothed on the inside, known as reamed and drifted, an extra charge will be made above standard pipe.

For Galvanized, or Coated pipe, an extra charge will be made above Black.

EXTRA STRONG PIPE

Black and Galvanized

ALL WEIGHTS AND DIMENSIONS ARE NOMINAL

Size	List Price per Foot	Diameters External	Diameters Internal	Thickness	Wt. per Ft. Plain Ends
1/8	.12	.405	.215	.095	.314
1/4	.07 1/2	.540	.302	.119	.535
3/8	.07 1/2	.675	.423	.126	.738
1/2	.11	.840	.546	.147	1.087
3/4	.15	1.050	.742	.154	1.473
1	.22	1.315	.957	.179	2.171
1 1/4	.30	1.660	1.278	.191	2.996
1 1/2	.36 1/2	1.900	1.500	.200	3.631
2	.50 1/2	2.375	1.939	.218	5.022
2 1/2	.77	2.875	2.323	.276	7.661
3	1.03	3.500	2.900	.300	10.252
3 1/2	1.25	4.000	3.364	.318	12.505
4	1.50	4.500	3.826	.337	14.983
4 1/2	1.80	5.000	4.290	.355	17.611
5	2.08	5.563	4.813	.375	20.778
6	2.86	6.625	5.761	.432	28.573
7	3.81	7.625	6.625	.500	38.048
8	4.34	8.625	7.625	.500	43.388
9	4.90	9.625	8.625	.500	48.728
10	5.48	10.750	9.750	.500	54.735
11	6.10	11.750	10.750	.500	60.075
12	6.55	12.750	11.750	.500	65.415

The permissible variation in weight is 5% above and below.

DOUBLE EXTRA STRONG PIPE

Black and Galvanized

Size	List Price per Foot	Diameters External	Diameters Internal	Thickness	Wt. per Ft. Plain Ends
1/2	.32	.840	.252	.294	1.714
3/4	.35	1.050	.434	.308	2.440
1	.37	1.315	.599	.358	3.659
1 1/4	.52 1/2	1.660	.896	.382	5.214
1 1/2	.65	1.900	1.100	.400	6.408
2	.91	2.375	1.503	.436	9.029
2 1/2	1.37	2.875	1.771	.552	13.695
3	1.86	3.500	2.300	.600	18.583
3 1/2	2.30	4.000	2.728	.636	22.850
4	2.76	4.500	3.152	.674	27.541
4 1/2	3.26	5.000	3.580	.710	32.530
5	3.86	5.563	4.063	.750	38.552
6	5.32	6.625	4.897	.864	53.160
7	6.35	7.625	5.875	.875	63.079
8	7.25	8.625	6.875	.875	72.424

The permissible variation in weight is 10% above and below. Furnished with plain ends and in random lengths, unless otherwise ordered.

For pipe fitted with threads and couplings, an extra charge will be made above plain ends.

For cut lengths, an extra charge will be made above random. For Galvanized, or Coated pipe, an extra charge will be made above Black.

WROUGHT NIPPLES



Plate D1403

TABLE OF SIZES AND LENGTHS KEPT IN STOCK

Plain Right Hand

Length, Inches			Prices			Prices of Extra Long Nipples											
* Close	* Short	Long	Size, Inches	Close or Short	Long	4	5	6	7	Inches							
3/4	1 1/2	2	2 1/2	3	3 1/2	1/4	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19
7/8	1 1/2	2	2 1/2	3	3 1/2	1/4	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19
1	1 1/2	2	2 1/2	3	3 1/2	3/8	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19
1 1/4	1 1/2	2	2 1/2	3	3 1/2	1/2	.05	.07	.08	.10	.12	.14	.16	.18	.20	.22	.23
1 3/4	2	2 1/2	3	3 1/2	4	3/4	.06	.09	.....	.11	.13	.17	.18	.20	.22	.24	.26
1 1/2	2	2 1/2	3	3 1/2	4	1	.08	.13	.....	.15	.18	.23	.25	.28	.31	.34	.36
1 5/8	2 1/2	3	3 1/2	4	4 1/2	1 1/4	.11	.17	.....	.20	.24	.29	.33	.36	.40	.44	.47
1 3/4	2 1/2	3	3 1/2	4	4 1/2	1 1/2	.13	.20	.....	.25	.29	.36	.40	.45	.50	.54	.59
2	2 1/2	3	3 1/2	4	4 1/2	2	.18	.27	.....	.32	.38	.50	.54	.59	.65	.72	.77
2 1/2	3	3 1/2	4	4 1/2	5	2 1/2	.39	.59	.....	.68	.90	.97	1.06	1.17	1.26	1.35	
2 5/8	3	3 1/2	4	4 1/2	5	3	.48	.72	.....	.85	1.08	1.20	1.33	1.45	1.58	1.70	
2 3/4	4	4 1/2	5	5 1/2	6	3 1/2	.75	1.05	.....	.....	1.30	1.45	1.60	1.75	1.90	2.05	
2 7/8	4	4 1/2	5	5 1/2	6	4	.85	1.20	.....	.....	1.52	1.69	1.87	2.05	2.22	2.40	
2 7/8	4	4 1/2	5	5 1/2	6	4 1/2	1.25	1.70	.....	.....	2.25	2.50	2.75	2.95	3.17	3.40	
3	4 1/2	5	5 1/2	6	6 1/2	5	1.55	2.45	.....	.....	2.58	2.83	3.10	3.35	3.60	3.85	
3 1/4	4 1/2	5	5 1/2	6	6 1/2	6	1.85	2.90	.....	.....	3.05	3.35	3.70	4.00	4.30	4.65	
3 1/4	5	.....	.....	.....	7	3.20	.....	.....	.....	3.60	4.05	4.45	4.90	5.30	5.75	6.15	
3 1/2	5	.....	.....	.....	8	3.55	.....	.....	.....	4.05	4.55	5.05	5.50	6.00	6.50	7.00	
3 5/8	5	.....	.....	.....	9	5.25	.....	.....	.....	.....	.....	6.50	7.10	7.75	8.40	9.00	
3 7/8	5	.....	.....	.....	10	6.75	.....	.....	.....	.....	.....	8.25	8.90	9.70	10.40	11.15	
4 1/2	6	.....	.....	.....	12	8.00	.....	.....	.....	.....	.....	10.00	10.80	11.75	12.70	13.65	

GALVANIZED

Right Hand

3/4	1 1/2	2	2 1/2	3	3 1/2	1/4	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
7/8	1 1/2	2	2 1/2	3	3 1/2	1/4	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
1	1 1/2	2	2 1/2	3	3 1/2	3/8	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
1 1/4	1 1/2	2	2 1/2	3	3 1/2	1/2	.06	.11	.13	.16	.18	.23	.26	.28	.31	.33	.36
1 3/4	2	2 1/2	3	3 1/2	4	3/4	.08	.14	.....	.18	.21	.26	.29	.32	.35	.38	.41
1 1/2	2	2 1/2	3	3 1/2	4	1	.11	.19	.....	.24	.28	.34	.38	.42	.47	.51	.55
1 5/8	2 1/2	3	3 1/2	4	4 1/2	1 1/4	.17	.29	.....	.32	.38	.45	.51	.57	.63	.69	.75
1 3/4	2 1/2	3	3 1/2	4	4 1/2	1 1/2	.21	.35	.....	.39	.46	.55	.63	.70	.77	.84	.91
2	2 1/2	3	3 1/2	4	4 1/2	2	.27	.47	.....	.52	.61	.74	.83	.93	1.03	1.13	1.23
2 1/2	3	3 1/2	4	4 1/2	5	2 1/2	.56	.86	.....	1.00	1.26	1.41	1.56	1.71	1.86	2.01	
2 5/8	3	3 1/2	4	4 1/2	5	3	.70	1.10	.....	1.30	1.60	1.80	2.00	2.20	2.40	2.60	
2 3/4	4	4 1/2	5	5 1/2	6	3 1/2	1.20	1.70	.....	.....	2.10	2.35	2.60	2.85	3.15	3.40	
2 7/8	4	4 1/2	5	5 1/2	6	4	1.35	1.87	.....	.....	2.30	2.60	2.90	3.20	3.50	3.80	
2 7/8	4	4 1/2	5	5 1/2	6	4 1/2	1.85	2.60	.....	.....	3.30	3.65	4.05	4.45	4.85	5.25	
3	4 1/2	5	5 1/2	6	6 1/2	5	2.30	3.15	.....	.....	3.75	4.20	4.60	5.00	5.40	5.85	
3 1/4	4 1/2	5	5 1/2	6	6 1/2	6	2.80	4.25	.....	.....	4.50	5.00	5.55	6.05	6.60	7.15	
3 1/4	5	.....	.....	.....	7	4.25	.....	.....	.....	4.95	5.65	6.35	7.05	7.75	8.45	9.20	
3 1/2	5	.....	.....	.....	8	5.00	.....	.....	.....	5.80	6.65	7.50	8.35	9.25	10.10	10.95	

Plain Right and Left

3/4	1 1/2	2	2 1/2	3	3 1/2	1/4	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
7/8	1 1/2	2	2 1/2	3	3 1/2	1/4	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
1	1 1/2	2	2 1/2	3	3 1/2	3/8	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
1 1/4	1 1/2	2	2 1/2	3	3 1/2	1/2	.07	.10	.11	.13	.16	.18	.21	.24	.27	.29	.31
1 3/4	2	2 1/2	3	3 1/2	4	3/4	.08	.12	.....	.15	.17	.23	.25	.27	.29	.32	.35
1 1/2	2	2 1/2	3	3 1/2	4	1	.11	.18	.....	.20	.24	.31	.33	.37	.41	.45	.48
1 5/8	2 1/2	3	3 1/2	4	4 1/2	1 1/4	.15	.23	.....	.27	.32	.39	.45	.50	.55	.60	.65
1 3/4	2 1/2	3	3 1/2	4	4 1/2	1 1/2	.18	.27	.....	.34	.39	.48	.52	.60	.67	.72	.80
2	2 1/2	3	3 1/2	4	4 1/2	2	.24	.36	.....	.43	.51	.67	.72	.80	.87	.96	1.03
2 1/2	3	3 1/2	4	4 1/2	5	2 1/2	.52	.79	.....	.91	1.20	1.30	1.40	1.55	1.68	1.80	
2 1/2	3	3 1/2	4	4 1/2	5	3	.65	.96	.....	.....	1.13	1.44	1.60	1.77	1.93	2.10	2.27
2 3/4	4	4 1/2	5	5 1/2	6	3 1/2	1.00	1.40	.....	.....	1.75	1.95	2.15	2.35	2.55	2.75	
3	4	4 1/2	5	5 1/2	6	4	1.15	1.60	.....	.....	2.00	2.25	2.50	2.75	3.00	3.25	

*These lengths conform to the manufacturers' standard.

Add 60 per cent to above prices for galvanized right and left nipples.

Nipples made to order from extra strong pipe at double above lists.

Nipples longer than 12 inch, made to order and charged as cut pipe, and threads extra.

CLASSIFICATION AND LIST PRICE PER POUND OF MALLEABLE IRON FITTINGS

ELBOWS Beaded				45 DEG. ELBOWS—Beaded (Continued)				LONG DROP ELLS Male and Female—Plain			
Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.
1/8"	A	.46	.58	1 1/2"	B	.20	.28	3/8"	B	.23	.33
1/4"	B	.20	.28	2"	B	.20	.28	1/2"	B	.23	.33
3/8 x 1/4"	B	.20	.28	2 1/2"	C	.13	.20	TEES Beaded			
3/8"	B	.20	.28	3"	C	.13	.20				
1/2 x 1/4"	B	.20	.28	3 1/2"	C	.13	.20				
1/2 x 3/8"	B	.20	.28	4"	C	.13	.20				
1/2"	B	.20	.28	4 1/2"	C	.13	.20	1/8"	A	.46	.58
3/4 x 3/8"	B	.20	.28	5"	C	.13	.20	1/4 x 3/8"	B	.20	.28
3/4 x 1/2"	B	.20	.28	6"	C	.13	.20	1/4"	B	.20	.28
3/4"	C	.13	.20	60 DEG. ELBOWS Plain				3/8 x 1/4"	B	.20	.28
1 x 3/8"	B	.20	.28	1 1/2"	B	.23	.33	3/8 x 1/2"	B	.20	.28
1 x 1/2"	B	.20	.28	2"	B	.23	.33	3/8 x 3/4"	B	.20	.28
1 x 3/4"	C	.13	.20	90 DEG. STREET ELLS Beaded				3/8"	B	.20	.28
1"	C	.13	.20	1/8"	A	.46	.58	1/2 x 3/8 x 3/8"	B	.20	.28
1 1/4 x 1/2"	B	.20	.28	1/4"	B	.20	.28	1/2 x 1/4 x 1/2"	B	.20	.28
1 1/4 x 3/4"	C	.13	.20	3/8"	B	.20	.28	1/2 x 3/8 x 1/2"	B	.20	.28
1 1/4 x 1"	C	.13	.20	1/2"	B	.20	.28	1/2 x 1/2 x 1/2"	B	.20	.28
1 1/2 x 3/4"	C	.13	.20	3/4 x 1/2"	B	.20	.28	1/2 x 3/4 x 3/4"	B	.20	.28
1 1/2 x 1"	C	.13	.20	3/4"	B	.20	.28	1/2 x 1/2 x 1"	B	.20	.28
1 1/2 x 1 1/4"	C	.13	.20	1 x 3/4"	B	.20	.28	1/2 x 1/4"	B	.20	.28
1 1/2"	C	.13	.20	1"	C	.13	.20	1/2 x 3/8"	B	.20	.28
1 3/4 x 1"	C	.13	.20	1 1/4 x 1"	C	.13	.20	1/2 x 1/2"	B	.20	.28
1 3/4"	C	.13	.20	1 1/4 x 1 1/4"	C	.13	.20	1/2 x 3/4"	B	.20	.28
2 x 1"	C	.13	.20	1 1/2 x 1 1/2"	C	.13	.20	1/2"	B	.20	.28
2 x 1 1/4"	C	.13	.20	1 1/2"	C	.13	.20	3/4 x 3/8 x 3/8"	B	.20	.28
2 x 1 1/2"	C	.13	.20	2 x 1 1/2"	C	.13	.20	3/4 x 3/4 x 1/2"	B	.20	.28
2"	C	.13	.20	2"	C	.13	.20	3/4 x 1/2 x 1/2"	B	.20	.28
2 1/2"	C	.13	.20	2 1/2"	C	.13	.20	3/4 x 1/2 x 3/4"	B	.20	.28
2 1/2 x 1 1/2"	C	.13	.20	3"	C	.13	.20	3/4 x 1/2 x 1"	B	.20	.28
2 1/2 x 2"	C	.13	.20	3 1/2"	C	.13	.20	3/4 x 1/4"	B	.20	.28
3"	C	.13	.20	4"	C	.13	.20	3/4 x 3/8"	B	.20	.28
3 x 2"	C	.13	.20	45 DEG. STREET ELLS Beaded				3/4 x 1/2"	B	.20	.28
3 x 2 1/2"	C	.13	.20	3/8"	A	.46	.58	3/4 x 3/4"	B	.20	.28
3 1/2"	C	.13	.20	1/2"	B	.20	.28	3/4 x 1/2 x 3/4"	B	.20	.28
3 1/2 x 3"	C	.13	.20	1"	B	.20	.28	3/4 x 1/2 x 1/2"	B	.20	.28
4"	C	.13	.20	1 1/4"	B	.20	.28	3/4 x 1/2 x 3/4"	B	.20	.28
4 x 3"	C	.13	.20	1 1/2"	B	.20	.28	3/4 x 1/2 x 1"	B	.20	.28
4 1/2"	C	.13	.20	2"	B	.20	.28	3/4 x 1/4"	B	.20	.28
5"	C	.13	.20	2 1/2"	B	.20	.28	3/4 x 3/8"	B	.20	.28
6"	C	.13	.20	3"	B	.20	.28	3/4 x 1/2"	B	.20	.28
R. & L. Ells Beaded only 1/4 to 2" take one class higher than right hand.				4"	B	.20	.28	3/4 x 1"	C	.13	.20
ELBOWS Plain				SIDE OUTLET ELBOWS Plain				3/4"	C	.13	.20
1/8"	A	.46	.58	3/8"	B	.20	.28	1 x 1 1/4"	C	.13	.20
1/4 x 1/8"	A	.46	.58	1/2"	B	.20	.28	1 x 1 1/2"	C	.13	.20
1/4"	B	.23	.33	3/4"	B	.20	.28	1"	C	.13	.20
3/8 x 1/8"	A	.46	.58	1"	B	.20	.28	1 1/4 x 3/4 x 1 1/4"	B	.20	.28
3/8 x 1/4"	B	.23	.33	1 1/4"	B	.20	.28	1 1/4 x 1/2 x 1 1/4"	B	.20	.28
3/8"	B	.23	.33	1 1/2"	B	.20	.28	1 1/4 x 3/4 x 3/4"	C	.13	.20
1/2 x 1/4"	B	.23	.33	2"	B	.20	.28	1 1/4 x 3/4 x 1"	C	.13	.20
1/2 x 3/8"	B	.23	.33	DROP ELBOWS Female—Plain				1 1/4 x 3/4 x 1 1/4"	C	.13	.20
1/2"	B	.23	.33	3/8"	B	.23	.33	1 1/4 x 1/2"	B	.20	.28
3/4 x 3/8"	B	.23	.33	1/2"	B	.23	.33	1 1/4 x 3/4"	C	.13	.20
3/4 x 1/2"	B	.23	.33	3/4"	B	.23	.33	1 1/4 x 1"	C	.13	.20
3/4"	C	.15	.23	1"	B	.23	.33	1 1/4 x 1 1/4"	C	.13	.20
1 x 3/8"	B	.23	.33	1 1/4"	B	.23	.33	1 1/4 x 3/8"	B	.20	.28
1 x 1/2"	B	.23	.33	1 1/2"	B	.23	.33	1 1/4 x 1/2"	B	.20	.28
1 x 3/4"	C	.15	.23	2"	B	.23	.33	1 1/4 x 1"	C	.13	.20
1"	C	.15	.23	DROP ELBOWS Male and Female—Plain				1 1/4 x 1 1/2"	C	.13	.20
1 1/4 x 3/4"	C	.15	.23	1/4"	B	.23	.33	1 1/4 x 3/4 x 1 1/4"	C	.13	.20
1 1/4 x 1"	C	.15	.23	3/8"	B	.23	.33	1 1/4 x 1/2 x 1 1/4"	C	.13	.20
1 1/4"	C	.15	.23	1/2"	B	.23	.33	1 1/4 x 1/4 x 1 1/4"	C	.13	.20
1 1/2 x 1"	C	.15	.23	3/4"	B	.23	.33	1 1/4 x 1/4 x 1 1/2"	C	.13	.20
1 1/2 x 1 1/4"	C	.15	.23	DROP ELBOWS Male and Female—Plain				1 1/2 x 3/8"	B	.20	.28
1 1/2"	C	.15	.23	1/8"	B	.23	.33	1 1/2 x 1/2"	B	.20	.28
2 x 1 1/4"	C	.15	.23	3/8"	B	.23	.33	1 1/2 x 3/4"	C	.13	.20
2 x 1 1/2"	C	.15	.23	1/2"	B	.23	.33	1 1/2 x 1"	C	.13	.20
2"	C	.15	.23	3/4"	B	.23	.33	1 1/2 x 1 1/4"	C	.13	.20
45 DEG. ELBOWS Beaded				1"	B	.23	.33	1 1/2 x 1 1/2"	C	.13	.20
1/8"	A	.46	.58	1 1/4"	B	.23	.33	1 1/2 x 3/8"	B	.20	.28
1/4"	B	.20	.28	1 1/2"	B	.23	.33	1 1/2 x 1/2"	B	.20	.28
3/8"	B	.20	.28	3/4"	B	.23	.33	1 1/2 x 3/4"	C	.13	.20
1/2"	B	.20	.28	1"	B	.23	.33	1 1/2 x 1"	C	.13	.20
3/4"	B	.20	.28	1 1/4"	B	.23	.33	1 1/2 x 1 1/4"	C	.13	.20
1"	B	.20	.28	1 1/2"	B	.23	.33	1 1/2 x 1 1/2"	C	.13	.20
1 1/4"	B	.20	.28	3/4"	B	.23	.33	1 1/2"	C	.13	.20
1 1/2"	B	.20	.28	1"	B	.23	.33	2 x 3/4 x 2"	C	.13	.20
1 3/4"	B	.20	.28	1 1/4"	B	.23	.33				

All fittings, other than Standard, take 25% extra charge to the above list in their respective classes.

CLASSIFICATION AND LIST PRICE—Continued

TEES—Beaded (Continued)				TEES—Plain (Continued)				CROSSES Beaded			
Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.
2x1x2"	C	.13	.20	1x 1/2 x 1"	B	.23	.33	1 1/4"	B	.20	.28
2x1 1/4 x 1 1/4"	C	.13	.20	1x 3/8 x 3/8"	B	.23	.33	3/8"	B	.20	.28
2x1 1/4 x 1 1/2"	C	.13	.20	1x 3/4 x 3/2"	B	.23	.33	1 1/2 x 3/8"	B	.20	.28
2x1 1/4 x 2"	C	.13	.20	1x 3/4 x 3/4"	C	.15	.23	1/2"	B	.20	.28
2x1 1/2 x 1"	C	.13	.20	1x 3/4 x 1"	C	.15	.23	3/4 x 3/8"	B	.20	.28
2x1 1/2 x 1 1/4"	C	.13	.20	1x 3/4"	B	.23	.33	3/4 x 1/2"	B	.20	.28
2x1 1/2 x 1 1/2"	C	.13	.20	1x 3/8"	B	.23	.33	3/4"	B	.20	.28
2x1 1/2 x 2"	C	.13	.20	1x 1/2"	B	.23	.33	1x 3/8"	B	.20	.28
2x 3/8"	B	.20	.28	1x 3/4"	C	.15	.23	1x 1/2"	B	.20	.28
2x 1/2"	B	.20	.28	1x1 1/4"	C	.15	.23	1x 3/4"	B	.20	.28
2x 3/4"	C	.13	.20	1x1 1/2"	C	.15	.23	1"	B	.20	.28
2x1"	C	.13	.20	1"	C	.15	.23	1 1/4 x 1/2"	B	.20	.28
2x1 1/4"	C	.13	.20	1 1/4 x 3/4 x 3/4"	C	.15	.23	1 1/4 x 3/4"	C	.13	.20
2x1 1/2"	C	.13	.20	1 1/4 x 3/4 x 1"	C	.15	.23	1 1/4 x 1"	C	.13	.20
2x2 1/2"	C	.13	.20	1 1/4 x 3/4 x 1 1/4"	C	.15	.23	1 1/2"	C	.13	.20
2"	C	.13	.20	1 1/4 x 1 x 3/4"	C	.15	.23	1 1/2 x 3/4"	C	.13	.20
2 1/2 x 1 1/2 x 2 1/2"	C	.13	.20	1 1/4 x 1 x 1"	C	.15	.23	1 1/2 x 1"	C	.13	.20
2 1/2 x 2 x 2"	C	.13	.20	1 1/4 x 1 x 1 1/4"	C	.15	.23	1 1/2 x 1 1/4"	C	.13	.20
2 1/2 x 2 x 2 1/2"	C	.13	.20	1 1/4 x 3/8"	B	.23	.33	1 1/2"	C	.13	.20
2 1/2 x 3/4"	C	.13	.20	1 1/4 x 1/2"	B	.23	.33	2x 3/4"	C	.13	.20
2 1/2 x 1"	C	.13	.20	1 1/4 x 3/4"	C	.15	.23	2x1"	C	.13	.20
2 1/2 x 1 1/4"	C	.13	.20	1 1/4 x 1"	C	.15	.23	2x1 1/4"	C	.13	.20
2 1/2 x 1 1/2"	C	.13	.20	1 1/4 x 1 1/2"	C	.15	.23	2x1 1/2"	C	.13	.20
2 1/2 x 2"	C	.13	.20	1 1/4 x 2"	C	.15	.23	2"	C	.13	.20
2 1/2"	C	.13	.20	1 1/4"	C	.15	.23	2 1/2 x 2"	C	.13	.20
2 1/2 x 3"	C	.13	.20	1 1/2 x 1 1/4 x 1 1/4"	C	.15	.23	2 1/2"	C	.13	.20
3x2x2"	C	.13	.20	1 1/2 x 1 1/4 x 1 1/2"	C	.15	.23	3x2"	C	.13	.20
3x2x3"	C	.13	.20	1 1/2 x 3/8"	B	.23	.33	3"	C	.13	.20
3x2 1/2 x 3"	C	.13	.20	1 1/2 x 1/2"	B	.23	.33	3 1/2"	C	.13	.20
3x1"	C	.13	.20	1 1/2 x 3/4"	C	.15	.23	4x2"	C	.13	.20
3x1 1/4"	C	.13	.20	1 1/2 x 1"	C	.15	.23	4"	C	.13	.20
3x1 1/2"	C	.13	.20	1 1/2 x 1 1/4"	C	.15	.23	5"	C	.13	.20
3x2"	C	.13	.20	1 1/2 x 2"	C	.15	.23	6"	C	.13	.20
3x2 1/2"	C	.13	.20	1 1/2"	C	.15	.23				
3"	C	.13	.20	2x1 1/2 x 1 1/2"	C	.15	.23				
3 1/2 x 2 1/2"	C	.13	.20	2x1 1/2 x 2"	C	.15	.23				
3 1/2 x 3"	C	.13	.20	2x 3/4"	C	.15	.23				
3 1/2"	C	.13	.20	2x1"	C	.15	.23				
4x1 1/2"	C	.13	.20	2x1 1/4"	C	.15	.23				
4x2"	C	.13	.20	2x1 1/2"	C	.15	.23				
4x2 1/2"	C	.13	.20	2"	C	.15	.23				
4x3"	C	.13	.20								
4"	C	.13	.20								
4 1/2"	C	.13	.20								
5"	C	.13	.20								
5x3"	C	.13	.20								
6x2"	C	.13	.20								
6x2 1/2"	C	.13	.20								
6x3"	C	.13	.20								
6x4"	C	.13	.20								
6"	C	.13	.20								

DROP TEES Female—Plain			
3/8"	B	.23	.33
1/2 x 3/8"	B	.23	.33
1/2"	B	.23	.33
3/4 x 1/2"	B	.23	.33
3/4"	B	.23	.33

DROP TEES Male and Female—Plain			
3/8"	B	.23	.33

SERVICE TEES Beaded			
3/8"	B	.20	.28
1/2"	B	.20	.28
3/4"	B	.20	.28
1x 3/4"	B	.20	.28
1"	C	.13	.20
1 1/4 x 3/4 x 1 1/4"	C	.13	.20
1 1/4 x 1 x 1 1/4"	C	.13	.20
1 1/4"	C	.13	.20
1 1/2 x 1 1/4 x 1 1/2"	C	.13	.20
1 1/2"	C	.13	.20
2x1 1/2 x 2"	C	.13	.20
2"	C	.13	.20

FOUR-WAY TEES Plain			
3/8"	B	.23	.33
1/2"	B	.23	.33
3/4"	B	.23	.33
1"	B	.23	.33
1 1/4"	B	.23	.33
1 1/2"	B	.23	.33
2"	B	.23	.33

CROSSES Plain			
1/4"	B	.23	.33
3/8"	B	.23	.33
1/2 x 3/8"	B	.23	.33
1/2"	B	.23	.33
3/4 x 3/8"	B	.23	.33
3/4 x 1/2"	B	.23	.33
3/4"	B	.23	.33
1x 3/8"	B	.23	.33
1x 1/2"	B	.23	.33
1x 3/4"	B	.23	.33
1"	B	.23	.33
1 1/4 x 3/4"	C	.15	.23
1 1/4 x 1"	C	.15	.23
1 1/4"	C	.15	.23
1 1/2 x 1"	C	.15	.23
1 1/2 x 1 1/4"	C	.15	.23
1 1/2"	C	.15	.23
2x1"	C	.15	.23
2x1 1/4"	C	.15	.23
2x1 1/2"	C	.15	.23
2"	C	.15	.23

CAPS Plain			
1/8"	A	.46	.58
1/4"	B	.20	.28
3/8"	B	.20	.28
1/2"	B	.20	.28
3/4"	B	.20	.28
1"	B	.20	.28
1 1/4"	C	.13	.20
1 1/2"	C	.13	.20
2"	C	.13	.20

CAPS Beaded			
1 1/4"	C	.13	.20
1 1/2"	C	.13	.20
2"	C	.13	.20
2 1/2"	C	.13	.20
3"	C	.13	.20

All fittings, other than Standard, take 25% extra charge to the above list in their respective classes.

CLASSIFICATION AND LIST PRICE—Continued

CAPS—Beaded (Continued)				COUPLINGS Right Hand—Plain				CHANDELIER HOOKS Male			
Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.	Size	Class	Price per Pound Black	Galv.
3 1/2"	C	.13	.20	1/8"	A	.46	.58	3/8"	B	.23	.33
4"	C	.13	.20	1/4"	B	.20	.28	1/2"	B	.23	.33
4 1/2"	C	.13	.20	3/8"	B	.20	.28				
5"	C	.13	.20	1/2"	B	.20	.28	CHANDELIER HOOKS Female			
6"	C	.13	.20	3/4"	B	.20	.28	3/8"	B	.23	.33
				1"	C	.13	.20	1/2"	B	.23	.33
				1 1/4"	C	.13	.20				
				1 1/2"	C	.13	.20	CHANDELIER LOOPS Male			
				2"	C	.13	.20	3/8"	B	.23	.33
								1/2"	B	.23	.33
REDUCERS Beaded				COUPLINGS Right Hand—Beaded				CHANDELIER LOOPS Female			
3/8 x 1/4"	B	.20	.28	1 1/4"	C	.13	.20	3/8"	B	.23	.33
1/2 x 3/8"	B	.20	.28	1 1/2"	C	.13	.20	1/2"	B	.23	.33
1/2 x 1/4"	B	.20	.28	2"	C	.13	.20				
3/4 x 1/4"	B	.20	.28	2 1/2"	C	.13	.20	Y'S Beaded			
3/4 x 3/8"	B	.20	.28	3"	C	.13	.20	1/2"	B	.20	.28
3/4 x 1/2"	B	.20	.28	3 1/2"	C	.13	.20	3/4"	B	.20	.28
1 x 1/4"	B	.20	.28	4"	C	.13	.20	1"	B	.20	.28
1 x 3/8"	B	.20	.28					1 1/4"	B	.20	.28
1 x 1/2"	B	.20	.28	COUPLINGS Right and Left				1 1/2"	B	.20	.28
1 x 3/4"	B	.20	.28	1/4"	B	.20	.28	2"	B	.20	.28
1 1/4 x 3/8"	B	.20	.28	3/8"	B	.20	.28	2 1/2"	B	.20	.28
1 1/4 x 1/2"	B	.20	.28	1/2"	B	.20	.28	3"	B	.20	.28
1 1/4 x 3/4"	C	.13	.20	3/4"	B	.20	.28	4"	B	.20	.28
1 1/4 x 1"	C	.13	.20	1"	C	.13	.20				
1 1/2 x 1/2"	B	.20	.28	1 1/4"	C	.13	.20	Y'S Plain			
1 1/2 x 3/4"	C	.13	.20	1 1/2"	C	.13	.20	2 x 1 1/2 x 1 1/2"	B	.23	.33
1 1/2 x 1"	C	.13	.20	2"	C	.13	.20	2 x 1 1/2 x 2"	B	.23	.33
1 1/2 x 1 1/4"	C	.13	.20					2 x 1 1/2"	B	.23	.33
2 x 3/8"	B	.20	.28	LOCKNUTS Hexagonal				2"	B	.23	.33
2 x 1/2"	B	.20	.28	1/8"	A	.46	.58				
2 x 3/4"	C	.13	.20	1/4"	B	.20	.28	RETURN BENDS Close Pattern			
2 x 1"	C	.13	.20	3/8"	B	.20	.28	3/8"	A	.46	.58
2 x 1 1/4"	C	.13	.20	1/2"	B	.20	.28	1/2"	B	.20	.28
2 x 1 1/2"	C	.13	.20	3/4"	B	.20	.28	3/4"	B	.20	.28
2 1/2 x 1"	C	.13	.20	1"	B	.20	.28	1"	B	.20	.28
2 1/2 x 1 1/4"	C	.13	.20	1 1/4"	B	.20	.28	1 1/4"	C	.13	.20
2 1/2 x 1 1/2"	C	.13	.20	1 1/2"	C	.13	.20	1 1/2"	C	.13	.20
2 1/2 x 2"	C	.13	.20	2"	C	.13	.20	2"	C	.13	.20
3 x 1"	C	.13	.20	2 1/2"	C	.13	.20				
3 x 1 1/4"	C	.13	.20	3"	C	.13	.20	RETURN BENDS Medium Pattern			
3 x 1 1/2"	C	.13	.20	3 1/2"	C	.13	.20	1/2"	B	.20	.28
3 x 2"	C	.13	.20	4"	C	.13	.20	3/4"	B	.20	.28
3 x 2 1/2"	C	.13	.20					1"	B	.20	.28
3 1/2 x 2"	C	.13	.20	WASTE NUTS				1 1/4"	C	.13	.20
3 1/2 x 2 1/2"	C	.13	.20	1/4"	B	.23	.33	1 1/2"	C	.13	.20
3 1/2 x 3"	C	.13	.20	3/8"	B	.23	.33	2"	C	.13	.20
4 x 2"	C	.13	.20	1/2"	B	.23	.33				
4 x 2 1/2"	C	.13	.20	3/4"	B	.23	.33	RETURN BENDS Open Pattern			
4 x 3"	C	.13	.20	1"	B	.23	.33	3/8"	B	.20	.28
4 x 3 1/2"	C	.13	.20	1 1/4"	B	.23	.33	1/2"	B	.20	.28
				1 1/2"	B	.23	.33	3/4"	B	.20	.28
				2"	B	.23	.33	1"	B	.20	.28
REDUCERS Plain				WALL PLATES				1 1/4"	C	.13	.20
1/4 x 1/8"	A	.46	.58	3/8"	B	.23	.33	1 1/2"	C	.13	.20
3/8 x 1/4"	B	.23	.33	1/2"	B	.23	.33	2"	C	.13	.20
3/8 x 3/8"	A	.46	.58								
1/2 x 3/8"	B	.23	.33	EXTENSION PIECES				3/8"	B	.20	.28
1/2 x 1/4"	B	.23	.33	1/4"	B	.23	.33	1/2"	B	.20	.28
3/4 x 1/4"	B	.23	.33	3/8"	B	.23	.33	3/4"	B	.20	.28
3/4 x 3/8"	B	.23	.33	1/2"	B	.23	.33	1"	B	.20	.28
3/4 x 1/2"	B	.23	.33	3/4"	B	.23	.33	1 1/4"	C	.13	.20
1 x 1/4"	B	.23	.33	1"	B	.23	.33	1 1/2"	C	.13	.20
1 x 3/8"	B	.23	.33	1 1/4"	B	.23	.33	2"	C	.13	.20
1 x 1/2"	B	.23	.33	1 1/2"	B	.23	.33				
1 x 3/4"	B	.23	.33	2"	B	.23	.33				
1 1/4 x 3/8"	B	.23	.33								
1 1/4 x 1/2"	B	.23	.33								
1 1/4 x 3/4"	C	.15	.23								
1 1/4 x 1"	C	.15	.23								
1 1/2 x 1/2"	B	.23	.33								
1 1/2 x 3/4"	C	.15	.23								
1 1/2 x 1"	C	.15	.23								
1 1/2 x 1 1/4"	C	.15	.23								
2 x 1"	C	.15	.23								
2 x 1 1/4"	C	.15	.23								
2 x 1 1/2"	C	.15	.23								

All fittings, other than Standard, take 25% extra charge to the above list in their respective classes.

MALLEABLE IRON FITTINGS

90°

90° Reducing

45°



D1404



D1405



D1406

90° ELBOWS Straight and Reducing

Size, Inches	1/8	1/4	3/8	1/2
Price, R. H., Each	.06	.07	.08	.10
Price, R. and L., Each	.09	.11	.13	.14
Price, Galv., R. H., Each	.08	.09	.11	.14
Price, R. and L., Galv., Each	.12	.16	.17	.17
Size, Inches	3/4	1	1 1/4	1 1/2
Price, R. H., Each	.15	.22	.25	.35
Price, R. and L., Each	.17	.25	.30	.40
Price, Galv., R. H., Each	.20	.32	.40	.60
Price, R. and L., Galv., Each	.23	.35	.45	.65
Size, Inches	2	2 1/2	3	3 1/2
Price, R. H., Each	.50	.90	1.50	2.25
Price, R. and L., Each	.65			
Price, Galv., R. H., Each	.90	1.50	2.60	3.75
Price, R. and L., Galv., Each	1.00			
Size, Inches	4	4 1/2	5	6
Price, R. H., Each	3.00	3.50	4.00	6.50
Price, R. and L., Each				
Price, Galv., R. H., Each	5.00		6.50	10.00
Price, R. and L., Galv., Each				

45° ELBOWS

Size, Inches	1/4	3/8	1/2	3/4
Price, Each	.08	.10	.12	.18
Price, Galvanized, Each	.12	.15	.20	.25
Size, Inches	1	1 1/4	1 1/2	2
Price, Each	.26	.36	.54	.82
Price, Galvanized, Each	.40	.50	.85	1.35
Size, Inches	2 1/2	3	3 1/2	4
Price, Each	1.25	2.50	3.25	4.50
Price, Galvanized, Each	1.90	3.75	4.75	6.75
Size, Inches	4 1/2	5	6	
Price, Each	5.25	6.00	7.50	
Price, Galvanized, Each		9.00	11.00	

60° ELBOWS Malleable Iron

Size, Inches	1 1/4	1 1/2	2
Price, Each	.30	.45	.65
Price, Galvanized, Each	.45	.70	1.05

90°

45°



D1407



D1408

STREET ELBOWS

Size, Inches	1/8	1/4	3/8	1/2	3/4	1
Price, Each	.08	.10	.10	.12	.20	.25
Price, Galv., Each	.10	.12	.12	.15	.28	.35
Price, 45°, Each	.12	.12	.12	.12	.20	.25
Price, 45°, Galv., Each	.15	.15	.15	.15	.28	.35
Size, Inches	1 1/4	1 1/2	2	2 1/2	3	4
Price, Each	.40	.55	.90	1.50	2.25	3.50
Price, Galv., Each	.55	.80	1.30	2.25	3.50	
Price, 45°, Each	.40	.55	.90		2.25	3.50
Price, 45°, Galv., Each	.55	.80	1.30			

Side Outlet
Elbow

Drop Elbow

Long
Drop Elbow

D1409



D1410



D1411

SIDE OUTLET ELBOWS Malleable Iron

Size, Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Each	.08	.08	.10	.18	.30	.45	.60	1.00
Price, Galv., Each	.10	.10	.15	.25	.45	.65	.90	1.50

DROP ELBOWS Malleable Iron

Size, Inches	1/4	3/8	1/2	3/4
Price, Female, Each	.06	.08	.12	.20
Price, Female, Galv., Each	.09	.12	.20	.35
Price, Male and Female, Each		.08	.12	
Price, Male and Female, Galvanized, Each		.12	.20	

LONG DROP ELBOWS Malleable Iron

Size, Inches	1/4 x 3/8	3/8 x 3/8	1/2 x 3/8	1/2 x 1/2
Price, Each	.10	.10	.18	.18
Price, Galvanized, Each	.18	.18	.27	.27
Drop Length, Over All, Inches	2 3/8	2 1/2	3 3/8	3 1/8

Straight Tee



D1412

Reducing Tee



D1413

4-Way Tee



D1414

TEES—Straight and Reducing

Size, Inches	1/8	1/4	3/8	1/2
Price, Each	.07	.08	.09	.11
Price, Galvanized, Each	.09	.10	.13	.16
Size, Inches	3/4	1	1 1/4	1 1/2
Price, Each	.15	.25	.30	.45
Price, Galvanized, Each	.20	.38	.50	.70
Size, Inches	2	2 1/2	3	3 1/2
Price, Each	.60	1.05	1.70	2.50
Price, Galvanized, Each	1.00	1.90	3.00	4.25
Size, Inches	4	4 1/2	5	6
Price, Each	3.40	4.25	5.00	7.75
Price, Galvanized, Each	5.75		8.00	12.00

FOUR-WAY TEES

Size, Inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Each	.12	.14	.20	.35	.50	.80	1.25
Price, Galv., Each	.17	.20	.28	.50	.70	1.10	1.75

MALLEABLE IRON FITTINGS

Service Tee



D1415

Drop Tee



D1416

SERVICE TEES

Size, Inches	3/8	1/2	3/4	1	1 1/4
Price, Each	.12	.15	.25	.35	.50
Price, Galvanized, Each	.15	.20	.35	.50	.70
Size, Inches	1 1/2	2	2 1/2	3x2 1/2 x3	3x3x4
Price, Each	.75	1.15	2.00	2.50	4.00
Price, Galvanized, Each	1.10	1.65			

DROP TEES

Regular

Size, Inches	3/8	1/2	3/4	1
Female, Each	.10	.14	.22	.30
Female, Galv., Each	.15	.25	.40	.55
Male and Female, Each	.10	.14	.22	.30
Male and Female, Galv., Each	.15	.25	.40	.55

Long

Size, Inches	3/8	3/4 x 1/2	1x1 x 1/2	1 1/4 x 1 1/4 x 1/2
Price, Each	.12	.30	.40	.60
Price, Galv., Each	.17			
Length Over All, Inches	2 1/2	3 1/8	3 3/8	3 3/4

Straight Cross



D1417

Y Bend



D1418

CROSSES—Straight and Reducing

Size, Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
Price, Each	.09	.10	.16	.20	.30	.40	.60
Price, Galv., Each	.12	.14	.25	.29	.45	.60	.90
Size, Inches	2	2 1/2	3	3 1/2	4	5	6
Price, Each	1.00	1.75	3.00	3.25	5.25	7.50	13.00
Price, Galv., Each	1.50	2.75	4.50		8.00		

STRAIGHT AND REDUCING Y BENDS

Size, Inches	1/2	3/4	1	1 1/4	1 1/2
Price, Each	.40	.50	.60	.80	1.00
Price, Galvanized, Each	.60	.75	.90	1.25	1.50
Size, Inches	2	2 1/2	3	4	
Price, Each	1.70	2.00	4.00	5.50	
Price, Galvanized, Each	2.50	3.00	6.00	8.25	

60° Y BENDS

Size, Inches	2x2	2x1 1/2
Price, Each	1.70	1.70
Price, Galvanized, Each	2.50	2.50

Extension Piece



D1419

Cap



D1420

EXTENSION PIECES

Size, inches	3/8	1/2	3/4
Price, extension pieces, each	.06	.09	.12
Price, extension pieces, galv., each	.09	.13	.18

CAPS

Size, inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
Price, each	.03	.03	.04	.05	.08	.12	.16	.24
Price, galv., each	.04	.04	.05	.08	.12	.17	.24	.38

Coupling



D1421

Reducing Coupling



D1422

COUPLINGS

Right Hand

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, each	.03	.05	.07	.10	.14	.20	.25	.35	.60	.90
Price, galv., each	.05	.07	.10	.17	.23	.30	.40	.55	.95	1.40
Ribbed, Right and Left										
Price, each	.04	.06	.08	.12	.16	.25	.36	.52	.70	1.00
Price, galv., each	.06	.09	.10	.17	.25	.35	.55	.75	1.05	1.50

REDUCERS

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4
Price, each	.05	.06	.07	.10	.16	.20
Price, galv., each	.08	.10	.10	.15	.25	.35
Size, inches	1 1/2	2	2 1/2	3	3 1/2	4
Price, each	.28	.45	.70	1.00	1.50	1.85
Price, galv., each	.45	.75	1.05	1.65	2.40	3.05

Lock Nut



D1423

Waste Nut



D1424

LOCK NUTS

Size, inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	.02	.02	.03	.04	.05	.07	.09	.11	.18
Price, galv., each	.03	.03	.04	.05	.07	.10	.14	.20	.30

WASTE NUTS

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
Price, each	.04	.05	.06	.08	.10	.15	.25
Price, galv., each	.08	.10	.12	.16	.20	.30	.50

Union Elbow
With Male Union

D1425

Union Tee
With Male Union

D1426

UNION ELBOWS

Size, inches	1/4	3/8	1/2	3/4	1
Price, with Female Union, each	.38	.40	.42	.54	.63
Price, with Female Union, galv., ea.	.57	.60	.63	.81	.95
Price, with Male Union, each	.43	.45	.48	.62	.72
Price, with Male Union, galv., ea.	.65	.70	.72	.93	1.08
Size, inches	1 1/4	1 1/2	2	2 1/2	
Price, with Female Union, each	.90	1.05	1.55	2.85	
Price, with Female Union, galv., ea.	1.35	1.58	2.35	4.30	
Price, with Male Union, each	1.05	1.20	1.80	3.30	
Price, with Male Union, galv., ea.	1.60	1.80	2.70	4.95	

UNION TEES

Size, inches	1/4	3/8	1/2	3/4	1
Price, with Female Union, each	.40	.43	.45	.57	.70
Price, with Female Union, galv., ea.	.60	.65	.68	.86	1.05
Price, with Male Union, each	.48	.50	.52	.65	.80
Price, with Male Union, galv., ea.	.72	.75	.78	1.00	1.20
Size, inches	1 1/4	1 1/2	2	2 1/2	
Price, with Female Union, each	.95	1.15	1.70	3.20	
Price, with Female Union, galv., ea.	1.45	1.75	2.55	4.80	
Price, with Male Union, each	1.10	1.30	1.95	3.70	
Price, with Male Union, galv., ea.	1.65	1.95	2.95	5.55	

MALLEABLE IRON FITTINGS

Close Pattern



D1427

Open Pattern



D1427½

Long Screw



D1428

CLOSE OR MEDIUM PATTERN RETURN BENDS

Size, inches	½	¾	1	1¼	1½	2
Center to center, close, inches	1	1¼	1½	1¾	2	2½
Center to center, med., inches	1¼	1½	1¾	2	2½	3
Price, right hand, each	.18	.25	.35	.50	.75	1.00
Price, right hand, galv., each	.25	.35	.55	.75	1.15	1.65
Price, right and left, each	.23	.30	.45	.60	.90	1.25
Price, right and left, galv., ea.	.40	.65				
Price, left hand, each	.23	.30	.45	.60	.90	1.25

OPEN PATTERN RETURN BENDS

Size, inches	½	¾	1	1¼
Center to center, inches	1½	2	2½	3
Price, right hand, each	.20	.30	.50	.65
Price, right hand, galv., each	.28	.45	.70	.90
Price, right and left, each	.25	.38	.60	.80
Price, right and left, galv., each		.55	.80	
Price, left hand, each	.25	.38	.60	.80
Size, inches	1½	2	2½	3
Center to center, inches	3½	4	4½	5
Price, right hand, each	.85	1.25	2.00	3.00
Price, right hand, galv., each	1.25	2.00	3.50	5.00
Price, right and left, each	1.05	1.55	2.50	3.75
Price, right and left, galv., each				
Price, left hand, each	1.05	1.55	2.50	3.75

LONG SCREW, WITH COUPLING AND LOCKNUT FACED

Size, inches	¼	¾	½	¾	1	1¼
Price, black, each	.30	.35	.40	.55	.75	1.00
Price, galvanized, each	.35	.40	.50	.66	1.00	1.25
Standard length, inches	2½	3	3½	4	4½	5
Size, inches	1½	2	2½	3	3½	4
Price, black, each	1.30	1.70	2.70	3.70	5.40	6.60
Price, galvanized, each	1.60	2.10	3.10	4.70	6.75	8.25
Standard length, inches	5½	6	7	8	8½	9

Cross-Over



D1428½

Wash Tray Tee



D1429

Wall Plate



D1429½

CROSS OVERS

Size, inches	½	¾	1
Price, cross-overs, each	.20	.30	.45
Price, cross-overs, galvanized, each	.25	.40	.60
Price, cross-over tees, galv., each	.38	.56	

WASH TRAY TEES AND ELLS

Size, inches	½	¾	1
Price, wash tray tees, short, galv., each	.25	.35	.45
Price, wash tray tees, standard, galv., each	.20	.30	.40
Price, wash tray tees, extra long, galv., each	.25	.35	.45
Price, wash tray ells, each	.18	.25	
Price, wash tray ells, galvanized, each	.20	.30	

WALL PLATES

Size, inches	¾	1	1¼
Price, each	.12	.16	.30

Plug



D1430

Bushing



D1431

Face Bushing



D1432

PLUGS

Size, inches	½	¾	1	1¼	1½	2
Price, each	.02	.02	.02	.03	.04	.05
Size, inches	1½	2	2½	3	3½	4
Price, each	.07	.10	.18	.25	.38	.42
Size, inches	5	6	7	8	9	10
Price, each	.88	1.20	1.85	2.75	3.25	3.75

COUNTERSUNK AND SOLID PLUGS

Size, inches	½	¾	1	1¼	1½	2
Price, countersunk, each	.04	.06	.08	.09	.11	.15
Price, solid, each	.04	.06	.08	.09	.11	.15
Size, inches	2½	3	3½	4	5	6
Price, countersunk, each	.30	.40	.92	1.10	2.00	3.50
Price, solid, each	.27	.38	.57	.63	1.35	1.80

BUSHINGS—Malleable Iron Reducing one size only Shoulder

Size, inches	¼	¾	½	¾	1	1¼	1½	2	2½
Price, each	.04	.04	.04	.05	.06	.07	.09	.14	.21
Price, galv., ea.	.08	.08	.08	.10	.12	.14	.18	.28	.42

Face

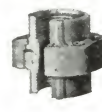
Size, inches	¾	½	¾	1	1¼	1½	2	2½	3
Price, each	.08	.09	.11	.13	.17	.22	.32	.48	.70
Price, galv., ea.	.12	.14	.17	.20	.25	.33	.48	.72	1.05
Size, inches	3½	4	4½	5	6	7	8	10	12
Price, each	1.20	1.50	2.10	2.60	3.75	8.00	9.00	14.00	20.00
Price, galv., ea.	1.80	2.25	3.15	3.90	5.60				

Union



D1433

Railroad Union



D1434

Floor Flange



D1435

MALLEABLE IRON UNIONS

Size, inches	½	¾	1	1¼	1½	2
Female union, black, each	.18	.18	.20	.22	.27	.33
Female union, galv., each	.27	.27	.30	.33	.40	.50
Male and female union, blk., ea.	.23	.25	.28	.33	.40	.57
Male and female union, galv., ea.	.32	.35	.39	.46	.57	.81
Size, inches	1½	2	2½	3	3½	4
Female union, black, each	.58	.75	1.55	2.10	3.65	4.35
Female union, galv., each	.90	1.15	2.35	3.15	5.50	6.50
Male and female union, blk., ea.	.72	.95	1.95			
Male and female union, galv., ea.	1.04	1.35	2.75			

RAILROAD UNIONS

Brass to Iron Seat

Malleable ends—Malleable hexagon ring

Examined and tested by the underwriters' laboratories and listed by the consulting engineers of the National Board of Fire Underwriters.

For steam working pressures up to 250 pounds. Tested to 250 pounds hydraulic pressure.

Size, inches	¾	1	1¼	1½	2
Price, each	.30	.30	.40	.50	.60
Price, galv., each	.45	.45	.60	.75	.90
Size, inches	1¼	1½	2	2½	3
Price, each	1.20	1.60	2.00	3.20	4.80
Price, galv., each	1.80	2.40	3.00	4.80	6.20

FLOOR FLANGES

Cast Iron—Countersunk holes for screws—Not faced

Size, inches	¾x3	1½x3½	¾x3½	1x4
Price, each	.10	.15	.15	.16
Price, galv., each	.20	.30	.30	.32
Size, inches	1¼x4	1½x4½	2x5½	
Price, each	.16	.22	.35	
Price, galv., each	.32	.44	.70	

CAST IRON DRAINAGE FITTINGS

90° Elbows



D1436

45° Elbows

45° Elbows



D1437

90° Elbows

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	5
Price, each	.30	.38	.57	1.20	1.45	2.30	4.25
Price, galv., each	.52	.67	1.00	2.10	2.55	4.00	7.40
Size, inches	6	7	8	10	12	14	
Price, each	6.25	11.50	15.00	31.00	47.50	65.00	
Price, galv., each	11.00	20.00	26.25	54.00	83.00	114.00	

60° Elbows



D1438

60° Elbows

11 1/4° Elbows



D1439

11 1/4° Elbows

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	
Price, each	.30	.38	.57	1.20	1.45	2.30	
Price, galv., each	.52	.67	1.00	2.10	2.55	4.00	
Size, inches	5	6	7	8	10		
Price, each	4.25	6.25	11.50	15.00	31.00		
Price, galv., each	7.40	11.00	20.00	26.25	54.00		

22 1/2° Elbows



D1440

5 1/2° Elbows



D1441

22 1/2° Elbows

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	
Price, each	.30	.38	.57	1.20	1.45	2.30	
Price, galv., each	.52	.67	1.00	2.10	2.55	4.00	
Size, inches	5	6	7	8	10	12	
Price, each	4.25	6.25	11.50	15.00	31.00	47.50	
Price, galv., each	7.40	11.00	20.00	26.25	54.00	83.00	

5 1/2° Elbows

Size, inches	1 1/4	1 1/2	2	3	4		
Price, each	.30	.38	.57	1.45	2.30		
Price, galv., each	.52	.67	1.00	2.55	4.00		
Size, inches	5	6	7	8	10		
Price, each	4.25	6.25	11.50	15.00	31.00		
Price, galv., each	7.40	11.00	20.00	26.25	54.00		

90° Reducing Elbows



D1442

Three-Way Elbows



D1443

90° Reducing Elbows

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	
Price, each	.57						
Price, galvanized, each	1.00						

Three-Way Elbows

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	
Price, each	.75	.85	1.10	2.25	3.00	5.00	
Price, galv., each	1.25	1.50	1.95	3.90	5.25	8.75	
Size, inches	4x3	5	5x4	6	6x4	6x5	
Price, each	5.50	7.50	8.25	13.50	15.00	15.00	
Price, galv., each	9.65	13.15	14.50	23.50	26.25	26.25	

90° Street Elbow



D1444

45° Street Elbow



D1445

Size, inches	1 1/4	1 1/2	2	
Price, each	.35	.40	.60	
Price, galvanized, each	.60	.70	1.10	

Tucker Connection



D1446

Brass Soldering Nipple



D1447

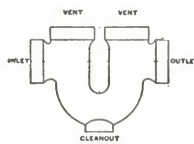
Tucker Connections

Size, inches	2	2 1/2	3	4
Price, black, each	.80	1.50	2.00	3.25
Price, galvanized, each	1.40	2.45	3.50	5.70
Size, inches	5	6	8	10
Dimension, inches	6 1/2	7	7	7 1/4
Price, black, each	6.00	8.75	21.00	43.00
Price, galvanized, each	10.50	15.25	37.00	75.00

Brass Soldering Nipples

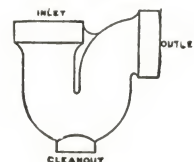
Size, inches	1	1 1/4	1 1/2	2	3	4	5
Price, each	.80	.90	1.05	1.50	2.75	4.00	9.00

Running Traps



D1448

"P" Traps



D1449

Running Traps

Size, inches	1 1/4	1 1/2	2	3	4	5	6
Size of vent, in.	1 1/4	1 1/2	2	3	4	4	4
Size cleanout, in.	3/4	1	1	1 1/4	2	2	2
Price, each	2.40	2.70	3.30	5.50	9.75	24.50	33.50
Price, galv., each	4.20	4.70	5.75	9.50	17.00	43.00	58.50
Size, inches	7	8	10	12	14		
Size of vent, in.	5	6	6	6	8		
Size cleanout, in.	2	3	3	3	4		
Price, each	50.00	65.00	115.00	180.00	300.00		
Price, galv., each	87.50	115.00	200.00	300.00	500.00		

"P" Traps

Size, inches	1 1/4	1 1/2	2	
Size of cleanout, inches	3/4	1	1	
Price, black, each	1.45	1.55	2.00	
Price, galvanized, each	2.55	2.70	3.50	

D1450—"S" Traps—Vented

Size, inches	2	3	4	5	6
Size of cleanout, inches	1	1 1/4	2	2	2
Size of vent, inches	2	3	4	4	4
Price, each	4.00	9.25	14.00	21.00	36.00
Price, galv., each	7.00	16.00	24.00	37.00	63.00

D1451—Half "S" Traps—Vented

Size, inches	1 1/4	1 1/2	2	3	4
Size of vent, inches	1 1/4	1 1/2	2	3	4
Size of cleanout, inches	3/4	1	1	1 1/4	2
Price, each	1.55	1.70	2.20	5.00	10.00
Price, galv., each	2.70	3.00	3.85	8.75	17.50
Size, inches	5	6	7	8	
Size of vent, inches	4	4	5	6	
Size of cleanout, inches	2	2	2	3	
Price, each	21.50	32.50	40.00	55.00	
Price, galv., each	37.50	57.00	70.00	95.00	

CAST IRON DRAINAGE FITTINGS

90° "Y" BRANCHES



D1452—Tee Pattern

Size, inches	1	1 1/4	1 1/2	2	2 1/2	3
Price, each	.40	.45	.57	.85	1.80	2.20
Price, galv., each	.70	.80	1.00	1.50	3.15	3.85
Size, inches	4	5	6			
Price, each	3.50	6.50	9.50			
Price, galv., each	6.15	11.35	16.50			

REDUCING 90° "Y" BRANCHES—Tee Pattern

Size, inches	1 1/4 x 1	1 1/2 x 1	1 1/2 x 1 1/4	2 x 1 1/4	2 x 1 1/2	2 1/2 x 1 1/4
Price, each	.50	.63	.63	.95	.95	2.00
Price, galv., ea.	.90	1.10	1.10	1.65	1.65	3.50
Size, inches	2 1/2 x 1 1/2	2 1/2 x 2	3 x 1 1/4	3 x 1 1/2	3 x 2	4 x 1 1/4
Price, each	2.00	2.00	2.40	2.40	2.40	3.85
Price, galv., ea.	3.50	3.50	4.20	4.20	4.20	6.75
Size, inches	4 x 1 1/2	4 x 2	4 x 2 1/2	4 x 3	3 x 4	5 x 1 1/2
Price, each	3.85	3.85	3.85	3.85	3.85	7.15
Price, galv., ea.	6.75	6.75	6.75	6.75	6.75	12.50
Size, inches	5 x 2	5 x 2 1/2	5 x 3	5 x 4	6 x 1 1/2	6 x 2
Price, each	7.15	7.15	7.15	7.15	10.50	10.50
Price, galv., ea.	12.50	12.50	12.50	12.50	18.50	18.50
Size, inches			6 x 3	6 x 4	6 x 5	
Price, each			10.50	10.50	10.50	
Price, galv., ea.			18.50	18.50	18.50	

45° "Y" BRANCHES



D1453

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Price, each	.52	.65	.95	2.10	2.65	3.85	7.10	10.50
Price, galv., each	.90	1.15	1.65	3.70	4.65	6.75	12.50	18.50

REDUCING 45° "Y" BRANCHES

Size, inches	1 1/4 x 1 1/4	2 x 1 1/4	2 x 1 1/2	2 1/2 x 1 1/4	2 1/2 x 1 1/2	2 1/2 x 2	3 x 1 1/4
Price, each	.72	1.05	1.05	2.30	2.30	2.30	2.90
Price, galv., ea.	1.25	1.85	1.85	4.00	4.00	4.00	5.10
Size, inches	3 x 1 1/2	3 x 2	3 x 2 1/2	4 x 1 1/4	4 x 1 1/2	4 x 2	4 x 2 1/2
Price, each	2.90	2.90	2.90	4.25	4.25	4.25	4.25
Price, galv., ea.	5.10	5.10	5.10	7.40	7.40	7.40	7.40
Size, inches	4 x 3	5 x 2	5 x 3	5 x 4	6 x 2	6 x 2 1/2	6 x 3
Price, each	4.25	7.80	7.80	7.80	11.50	11.50	11.50
Price, galv., ea.	7.40	13.65	13.65	13.65	20.00	20.00	20.00
Size, inches	6 x 4	6 x 5					
Price, each	11.50	11.50					
Price, galv., ea.	20.00	20.00					

DOUBLE 90° "Y" BRANCHES



D1454—Tee Pattern

Size, inches	1	1 1/4	1 1/2	2	2 1/2	3
Price, each	.60	.70	.85	1.30	2.85	3.40
Price, galv., each	1.05	1.22	1.50	2.30	5.00	5.95
Size, inches	4	5	6			
Price, each	5.25	9.50	14.00			
Price, galv., each	9.20	16.50	24.50			

DOUBLE REDUCING 90° "Y" BRANCHES—Tee Pattern

Size, inches	1 1/4 x 1	1 1/2 x 1	1 1/2 x 1 1/4	2 x 1 1/4	2 1/2 x 1 1/4	2 1/2 x 2	3 x 1 1/4
Price, each	.77	.95	1.50	1.50	3.15	3.15	3.75
Price, galv., ea.	1.35	1.65	2.60	2.60	5.50	5.50	6.55
Size, inches	3 x 2	4 x 2	5 x 4	6 x 2	6 x 4	6 x 5	
Price, each	3.75	5.75	10.50	15.50	15.50	15.50	
Price, galv., ea.	6.55	10.00	18.50	27.00	27.00	27.00	

45° DOUBLE "Y" BRANCHES



D1455

Size, inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Price, each	.90	1.00	1.45	3.25	4.00	5.75	10.75	16.00
Price, galv., each	1.60	1.75	2.55	5.70	7.00	10.00	18.80	28.00

REDUCING 45° DOUBLE "Y" BRANCHES

Size, inches	1 1/4 x 1 1/4	2 x 1 1/4	2 1/2 x 1 1/4	2 1/2 x 1 1/2	3 x 1 1/4	3 x 2	4 x 2
Price, each	1.10	1.60	3.60	3.60	4.40	4.40	6.35
Price, galv., each	1.90	2.80	6.30	6.30	7.70	7.70	11.00
Size, inches	4 x 3	5 x 2	5 x 3	5 x 4	6 x 2	6 x 3	6 x 4
Price, each	6.35	11.75	11.75	11.75	17.50	17.50	17.50
Price, galv., each	11.00	20.50	20.50	20.50	30.50	30.50	30.50

90° LONG TURN "Y" BRANCHES



D1456

Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	.57	.70	1.10	2.40	3.35
Price, galv., each	1.00	1.22	1.95	4.20	5.85
Size, inches	4	5	6	7	8
Price, each	6.00	9.50	20.00	30.00	40.00
Price, galv., each	10.50	16.50	35.00	52.50	70.00

REDUCING 90° LONG TURN "Y" BRANCHES

Size, inches	1 1/4 x 1	1 1/2 x 1	1 1/2 x 1 1/4	2 x 1	2 x 1 1/4
Price, each	.63	.80	.80	1.20	1.20
Price, galv., each	1.10	1.40	1.40	2.10	2.10
Size, inches	2 x 1 1/2	2 1/2 x 1	2 1/2 x 1 1/4	2 1/2 x 1 1/2	2 1/2 x 2
Price, each	1.20	2.65	2.65	2.65	2.65
Price, galv., each	2.10	4.65	4.65	4.65	4.65
Size, inches	3 x 1 1/2	3 x 2	3 x 2 1/2	4 x 1 1/2	4 x 2
Price, each	3.75	3.75	3.75	6.60	6.60
Price, galv., each	6.55	6.55	6.55	11.55	11.55
Size, inches	4 x 2 1/2	4 x 3	5 x 1 1/2	5 x 2	5 x 2 1/2
Price, each	6.60	6.60	10.50	10.50	10.50
Price, galv., each	11.55	11.55	18.50	18.50	18.50
Size, inches	5 x 3	5 x 4	6 x 2	6 x 3	6 x 4
Price, each	10.50	10.50	22.00	22.00	22.00
Price, galv., each	18.50	18.50	38.50	38.50	38.50

DOUBLE 90° LONG TURN "Y" BRANCHES



D1457—Tee Pattern

Size, inches	1 1/4	1 1/2	2	2 1/2
Price, each	1.00	1.10	1.75	3.60
Price, galv., each	1.75	1.95	3.10	6.30
Size, inches	3	4	5	6
Price, each	5.00	9.00	14.00	30.00
Price, galv., each	8.75	15.75	24.50	52.50

DOUBLE REDUCING 90° LONG TURN "Y" BRANCHES Tee Pattern

Size, inches	1 1/4 x 1	1 1/2 x 1	1 1/2 x 1 1/4	2 x 1 1/4	2 x 1 1/2
Price, each	1.10	1.25	1.25	1.90	1.90
Price, galv., each	1.90	2.25	2.25	3.35	3.35
Size, inches	2 1/2 x 1 1/4	2 1/2 x 1 1/2	3 x 1 1/4	3 x 2	4 x 2
Price, each	4.00	4.00	5.50	5.50	10.00
Price, galv., each	7.00	7.00	9.65	9.65	17.50
Size, inches	4 x 3	5 x 4	6 x 2	6 x 4	6 x 5
Price, each	10.00	15.50	33.00	33.00	33.00
Price, galv., each	17.50	27.00	58.00	58.00	58.00

STANDARD CAST IRON FITTINGS

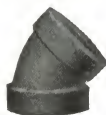
FOR STEAM WORKING PRESSURES UP TO 125 POUNDS

90° Elbow



D1458

45° Elbow



D1459

ELBOWS—STRAIGHT

R. and L. H. Elbows Have Ribs on L. H. End

Size, inches	1/4	3/8	1/2	3/4	1
Price, R. H., each	.05	.05	.06	.08	.10 1/2
Price, R. and L., each	.06	.06	.07	.09	.12
Price, R. H., galv., each	.10	.10	.12	.16	.21
Price, pitched, each			.08	.10	.13
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, R. H., each	.16	.20	.28	.50	.75
Price, R. and L., each	.18	.23	.32	.60	.85
Price, R. H., galv., each	.32	.40	.56	1.00	1.50
Price, pitched, each	.20	.25	.35	.65	1.00
Size, inches	3 1/2	4	4 1/2	5	6
Price, R. H., each	1.05	1.20	1.75	2.00	2.75
Price, R. H., galv., each	2.10	2.40	3.50	4.00	5.50
Price, pitched, each	1.30	1.50			
Size, inches	7	8	9	10	12
Price, R. H., each	4.70	6.75	9.00	13.50	20.00
Price, R. H., galv., each	9.40	13.50	18.00	27.00	40.00
Price, pitched, each					

45° ELBOWS

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	.06	.06	.07	.10	.12
Price, galv., each	.12	.12	.14	.20	.24
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	.19	.24	.34	.60	.90
Price, galv., each	.38	.48	.68	1.20	1.80
Size, inches	3 1/2	4	4 1/2	5	6
Price, each	1.25	1.45	2.20	2.50	3.45
Price, galv., each	2.50	2.90	4.40	5.00	6.90
Size, inches	7	8	9	10	12
Price, each	5.90	8.50	11.25	17.00	25.00
Price, galv., each	11.80	17.00	22.50	34.00	50.00

60° AND 22 1/2° CAST IRON ELBOWS

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, 60° or 22 1/2°	.25	.30	.35	.45	.50	.60
Size, inches	2 1/2	3	4	5	6	
Price, 60° or 22 1/2°	1.10	1.65	2.75	5.00	7.00	

Reducing Elbow



D1460

REDUCING ELBOWS

Size, inches	3/8	1/2	3/4	1	1 1/4
Price, each	.06	.07	.09	.12	.18
Price, galv., each	.14	.18	.24	.36	
Price, pitched, each			.10	.13	.20
Size, inches	1 1/2	2	2 1/2	3	3 1/2
Price, each	.23	.32	.60	.85	1.20
Price, galv., each	.46	.64	1.20	1.70	2.40
Price, pitched, each	.25	.35	.65	1.00	1.30
Size, inches	4	4 1/2	5	6	7
Price, each	1.40	2.00	2.30	3.15	5.40
Price, galv., each	2.80	4.00	4.60	6.30	10.80
Size, inches	8	9	10	12	
Price, each	7.75	10.50	15.50	23.00	
Price, galv., each	15.50	21.00	31.00	46.00	

Straight Tee



D1461

Reducing Tee



D1462

TEES—STRAIGHT

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	.08	.08	.09	.12	.15
Price, galv., each	.16	.16	.18	.24	.30
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	.23	.29	.41	.73	1.10
Price, galv., each	.46	.58	.82	1.46	2.20
Size, inches	3 1/2	4	4 1/2	5	6
Price, each	1.50	1.75	2.55	3.00	4.00
Price, galv., each	3.00	3.50	5.10	6.00	8.00
Size, inches	7	8	9	10	12
Price, each	6.80	9.75	13.00	19.50	29.00
Price, galv., each	13.60	19.50	26.00	39.00	58.00

REDUCING TEES

Size, inches	3/8	1/2	3/4	1	1 1/4
Price, each	.09	.10	.14	.17	.27
Price, galv., each	.18	.20	.28	.34	.54
Size, inches	1 1/2	2	2 1/2	3	3 1/2
Price, each	.33	.47	.83	1.25	1.75
Price, galv., each	.66	.94	1.66	2.50	3.50
Size, inches	4	4 1/2	5	6	7
Price, each	2.00	2.95	3.50	4.60	7.80
Price, galv., each	4.00	5.90	7.00	9.20	15.60
Size, inches	8	9	10	12	
Price, each	11.25	15.00	22.50	33.50	
Price, galv., each	22.50	30.00	45.00	67.00	

"Y" BENDS



D1463

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	.20	.28	.34	.54	.66	.94
Price, galv., each	.40	.56	.68	1.08	1.32	1.88
Size, inches	2 1/2	3	3 1/2	4	4 1/2	5
Price, each	1.66	2.50	3.50	4.00	5.90	7.00
Price, galv., each	3.32	5.00	7.00	8.00	11.80	14.00
Size, inches	6	7	8	10	12	
Price, each	9.20	15.60	22.50	45.00	67.00	
Price, galv., each	18.40	31.20	45.00	90.00	134.00	

MERITS OF STANDARD CAST IRON SCREWED FITTINGS

The Universal satisfaction expressed by all of our customers in the design, utility, strength and general appearance of our Standard Screwed Fittings fully justifies the statement that they have attained the highest degree of excellence.

In general design our Reducing Fittings are in direct proportion with the straight sizes, thus harmonizing the fittings in any combination of piping.

All fittings are recessed, permitting an easy entrance of the pipe, and are uniformly threaded to the American Briggs Standard Gauge, which steamfitters will appreciate.

These fittings are well proportioned, of good weight and suitable for the steam working pressures for which they are recommended.

When fittings are wanted for a higher steam working pressure than 125 lbs., we recommend extra heavy fittings.

STANDARD CAST IRON FITTINGS

FOR STEAM WORKING PRESSURES UP TO 125 POUNDS

Straight Cross



D1464

Reducing Cross



D1465

CROSSES—STRAIGHT

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	.16	.22	.27	.42	.53	.75
Price, galv., each	.32	.44	.54	.84	1.06	1.50
Size, inches	2 1/2	3	3 1/2	4	4 1/2	5
Price, each	1.30	2.00	2.70	3.15	4.60	5.50
Price, galv., each	2.60	4.00	5.40	6.30	9.20	11.00
Size, inches	6	7	8	9	10	12
Price, each	7.25	12.25	17.50	23.50	35.00	52.50
Price, galv., each	14.50	24.50	35.00	47.00	70.00	105.00

REDUCING CROSSES

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	.18	.25	.30	.46	.60	.83
Price, galv., each	.36	.50	.60	.92	1.20	1.66
Size, inches	2 1/2	3	3 1/2	4	4 1/2	5
Price, each	1.45	2.20	3.00	3.50	5.10	6.00
Price, galv., each	2.90	4.40	6.00	7.00	10.20	12.00
Size, inches	6	7	8	9	10	12
Price, each	8.00	13.50	19.25	26.00	38.50	58.00
Price, galv., each	16.00	27.00	38.50	52.00	77.00	116.00

Reducer



D1466

Eccentric Reducer



D1467

REDUCERS

Size, inches	3/8	1/2	3/4	1	1 1/4
Price, each	.06	.09	.10	.16	.22
Size, inches	1 1/2	2	2 1/2	3	3 1/2
Price, each	.28	.43	.60	.80	1.00
Size, inches	4	4 1/2	5	6	7
Price, each	1.35	1.85	2.00	2.70	5.35
Size, inches	8	9	10	12	
Price, each	6.75	8.35	10.00	15.00	

EXCENTRIC REDUCERS

Size, inches	1	1 1/4	1 1/2	2
Price, each	.55	.55	.72	1.00
Size, inches	2 1/2	3	3 1/2	4
Price, each	1.50	2.40	3.00	4.00
Size, inches	4 1/2	5	6	7
Price, each	5.00	6.00	8.00	9.00
Size, inches	8	9	10	12
Price, each	11.00	12.50	14.00	18.00

Close Pattern
Return Bend

D1468

Open Pattern
Return Bend

D1469

RETURN BENDS, CLOSE PATTERN

Size, inches	1/2	3/4	1	1 1/4	1 1/2
Price, R. H., each	.18	.20	.22	.28	.40
Price, R. and L., each	.21	.23	.26	.33	.46
Price, L. H., each	.21	.23	.26	.33	.46
Price, R. H., galv., each	.36	.40	.44	.56	.80
Center to center, inches	1 1/4	1 1/2	1 3/4	2 1/4	2 1/2
Size, inches	2	2 1/2	3	4	
Price, R. H., each	.57	1.20	1.70	5.00	
Price, R. and L., each	.66	1.40	1.95	5.25	
Price, L. H., each	.66	1.40	1.95	5.25	
Price, R. H., galv., each	1.14	2.40	3.40	10.00	
Center to center, inches	3 1/4	3 3/4	4 1/4	6	

Close Pattern Return Bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.

RETURN BENDS, CLOSE PATTERN, PITCHED

Suitable for Coils as per Table Below

Size, inches	1	1	1	1
Length of pipe in coil, feet	3	4	5	6
Price, R. H., each	.26	.26	.26	.26
Size, inches	1	1 1/4	1 1/2	1 1/2
Length of pipe in coil, feet	8	4	5	6
Price, R. H., each	.26	.33	.33	.33

All Right and Left Pitched Return Bends are made to order. One inch Return Bends for coils longer than 8 feet are tapped straight.

Pitched Return Bends have length of coils marked on them.

RETURN BENDS, OPEN PATTERN

Size, inches	3/4	1	1 1/4	1 1/2
Price, R. H., each	.26	.30	.40	.55
Price, R. and L., each	.30	.35	.46	.64
Price, R. H., galv., each	.52	.60	.80	1.10
Center to center, inches	1 7/8	2 3/8	3	3 1/2
Size, inches	2	2 1/2	3	4
Price, R. H., each	.80	1.35	2.20	6.50
Price, R. and L., each	.92	1.55	2.50	
Price, R. H., galv., each	1.60	2.70	4.40	10.00
Center to center, inches	4 1/2	5 1/2	6 1/2	7 1/2

Double Branch Elbow



D1470

Flange Union



D1471

DOUBLE BRANCH ELBOWS

Size, inches	1 x 1 1/4	1 1/4 x 1 1/4	1 1/2 x 1 1/2	2 x 2 x 2 1/2
Price, each	.75	1.05	1.50	2.25
Size, inches	2 1/2 x 2 1/2	3 x 3 x 4	4 x 4 x 5	5 x 5 x 6
Price, each	4.25	6.50	12.00	16.50

CAST IRON FLANGE UNIONS

Standard for steam working pressures up to 125 pounds. Faced. Gasket extra.

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, each	.40	.46	.52	.64	.78	1.00	1.25
Price, galv., each	.80	.92	1.04	1.28	1.56	2.00	2.50
Dia. of flanges, in.	2 3/4	3 3/8	3 5/8	4 1/8	4 1/2	5 1/8	5 7/8
No. of bolts	3	3	3	4	4	4	4
Size, inches	3	3 1/2	4	4 1/2	5	6	7
Price, each	1.50	1.80	2.10	2.70	3.15	3.95	5.50
Price, galv., each	3.00	3.60	4.20	5.40	6.30	7.90	11.00
Dia. of flanges, in.	6 5/8	7 1/4	7 3/4	8 3/8	9 1/8	10 3/8	11 5/8
No. of bolts	4	4	5	5	5	6	7
Size, inches	8	9	10	12	14	15	16
Price, each	7.00	10.00	11.50	16.00	28.00	35.00	60.00
Price, galv., each	14.00	20.00	23.00	32.00	56.00	70.00	
Dia. of flanges, in.	12 3/4	13 7/8	15 1/2	17 7/8	20 5/8	20 5/8	23
No. of bolts	8	9	10	12	14	14	16

Sizes 14-inch and larger are to be used with O. D. pipe of the same sizes.

PIPE, SADDLES, FLANGE UNIONS, BRANCH TEES, ETC.

PIPE SADDLES

With wrought straps for wrought pipe

Double Strap



D1472

Single Strap



D1473

DOUBLE STRAP

Size of pipe, in.	1 1/2	2	2 1/2	3
Tapped for pipe, in. 1/2 and 3/4	1/2 to 1 1/2	3/4 to 1 1/2	3/4 to 1 1/2	3/4 to 2
Price, each	.90	1.00	1.25	1.25
Size of pipe, in.	3 1/2	4	4 1/2	5
Tapped for pipe, in. 3/4 to 2	3/4 to 2	3/4 to 2	3/4 to 2	3/4 to 2
Price, each	1.40	1.50	2.50	2.75
Size of pipe, in.	5	6	6	7
Tapped for pipe, in. 2 1/2 and 3	3/4 to 2	2 1/2 to 4	1 to 4	1 to 4
Price, each	2.75	2.75	5.75	6.50
Size of pipe, in.	8	9	10	10
Tapped for pipe, in. 1 to 4	1 1/2 to 4	1 1/2 to 4	4 1/2 to 6	4 1/2 to 6
Price, each	6.50	8.50	10.00	10.00
Size of pipe, in.	12	12	15	16
Tapped for pipe, in. 1 1/2 to 4	4 1/2 to 6	3 to 6	3 to 6	3 to 6
Price, each	14.00	14.00	22.00	25.00

SINGLE STRAP

Size pipe, in.	1/2	3/4	1	1 1/4	1 1/2	2
Size opening, in. 1/4 - 1/4	1/4 - 1/2	1/4 - 3/4	1/4 - 1	1/4 - 1	1/4 - 1 1/2	1/4 - 1 1/2
Price, each	1.00	1.00	1.00	1.00	1.00	1.00



D1474

REZNOR PIPE HOOKS

Sizes, length, inches	3	4	5	6	8	10	12
3/8", per 1000	8.16	8.96	10.08	11.20			
1/2", per 1000	8.64	9.76	10.88	12.32	15.36		
3/4", per 1000		10.56	11.68	13.44	17.44		
1", per 1000		12.00	14.16	16.00	19.68		
1 1/4", per 1000		15.36	17.60	20.16	24.64		
1 1/2", per 1000			19.20	21.76	26.56		
2", per 1000			19.84	22.40	27.20	34.24	36.80

Packed 50 in a box.

HOOKE PLATES



D1475



D1476

Number of hooks	1	2	3
For 1 in. pipe, 2 1/2 ins. between centers, ea.	.09	.18	.23
For 1 1/4 in. pipe, 3 ins. between centers, ea.	.10	.21	.27
For 1 1/2 in. pipe, 3 1/2 ins. between centers, ea.	.15	.28	.43
For 2 in. pipe, 4 1/2 ins. between centers, ea.	.22	.43	.65
Number of hooks	4	5	6
For 1 in. pipe, 2 1/2 ins. between centers, ea.	.26	.32	.38
For 1 1/4 in. pipe, 3 ins. between centers, ea.	.32	.41	.52
For 1 1/2 in. pipe, 3 1/2 ins. between centers, ea.	.58	.72	.88
For 2 in. pipe, 4 1/2 ins. between centers, ea.	.90	1.15	1.35

BRANCH TEES

No. 1 for Circulation
Run Open

D1477

No. 2 for Circulation
Inlet and Outlet Open

D1478

No. 3 for Box Coils—Inlet Open



D1479

Size, inches	1	1	1 1/4	1 1/4	1 1/4
Center to center, ins.	2 1/2	2 1/2	2 1/2	3	3
Run, inches	1	1 1/2	2	1 1/4 and 1 1/2	2
Price, 2 branches, ea.	.90	1.00	1.15		
Price, 3 branches, ea.	1.05	1.15	1.35	1.65	1.90
Price, 4 branches, ea.	1.15	1.30	1.60	2.00	2.40
Price, 5 branches, ea.	1.35	1.45	1.85	2.40	2.90
Price, 6 branches, ea.	1.60	1.75	2.10	2.80	3.30
Price, 7 branches, ea.	1.90	2.20	2.45	3.20	3.90
Price, 8 branches, ea.	2.20	2.45	2.75	3.60	4.50
Price, 9 branches, ea.	2.65	2.90	3.40	4.30	5.25
Price, 10 branches, ea.		3.30	4.00	4.80	5.85
Price, 11 branches, ea.		4.50	4.80	5.00	6.25
Price, 12 branches, ea.		4.75	5.10	5.25	6.50
Price, 13 branches, ea.		5.50	6.00	6.00	7.00
Price, 14 branches, ea.		7.00	7.25	6.75	7.75
Price, 15 branches, ea.		7.50	7.75	7.50	8.50
Price, 16 branches, ea.		8.00	8.25	8.50	9.50
Size, inches	1 1/2	1 1/2	1 1/2	2	2
Center to center, ins.	3 1/2	3 1/2	3 1/2	4 1/2	4 1/2
Run, inches	1 1/2	2 1/2	3	2	2 1/2
Price, 3 branches, ea.	2.70	3.45	3.80	5.25	5.75
Price, 4 branches, ea.	3.35	4.15	4.60	6.40	7.00
Price, 5 branches, ea.	4.00	5.00	5.50	7.65	8.50
Price, 6 branches, ea.	4.65	5.75	6.25	8.80	9.75
Price, 7 branches, ea.	5.25	6.50	7.25	10.60	11.75
Price, 8 branches, ea.	5.85	7.00	7.75	11.50	12.75
Price, 9 branches, ea.	6.50	8.25	9.00	12.25	13.50
Price, 10 branches, ea.	7.60	9.25	10.00	13.50	15.00
Price, 11 branches, ea.	8.00	9.75	10.75		
Price, 12 branches, ea.	8.50	10.50	11.50		

All openings in branch tees for circulation are tapped right hand.

Branch tees for box coils are always tapped left hand in branches and right hand in back inlet.

The run and back opening of branch tees are tapped the same size as branches unless otherwise ordered.

1-inch branch tees, 1-inch or 1 1/4-inch run, are 1 3/4 inches inside diameter.

1-inch branch tees, 1/2-inch or 2-inch run, are 2 1/4 inches inside diameter.

1 1/4-inch branch tees are all 2 1/2 inches inside diameter.

1 1/2-inch branch tees are all 2 3/4 inches inside diameter.

2-inch branch tees are all 3 1/2 inches inside diameter.

Always order branch tees by size and number.

Tin Strap



D1480

Gas Pipe Hook



D1481

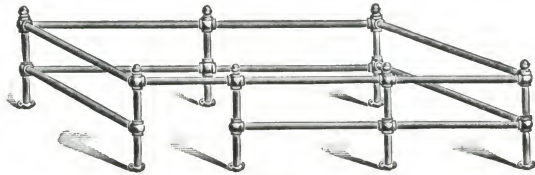
TIN STRAP

Size, inches—1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	per pound	.25
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GAS PIPE HOOKS—Wrought Iron

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, per 100	.25	.30	.35	.45	.55	.65	.75	1.00

MALLEABLE IRON RAILING FITTINGS



D1482

No. 1



D1483

No. 2



D1484

No. 3



D1485

No. 4



D1486

No. 5



D1487

No. 6



D1488

No. 7



D1489

No. 8



D1490

BALL PATTERN RAILING FITTINGS

Malleable Iron—For All Purposes

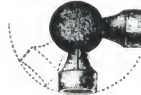
D1482 to D1490

Pipe size, inches	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
No. 1, Elbow, each	.15	.18	.20	.35	.45
No. 2, Elbow, side outlet, each	.20	.23	.25	.40	.50
No. 3, Tee, each	.20	.23	.25	.40	.50
No. 4, Tee, side outlet, each	.30	.33	.35	.45	.55
No. 5, Cross, each	.30	.33	.35	.45	.58
No. 6, Cross, side outlet, each	.35	.38	.40	.50	.65
No. 7, Floor flange, square, ea.	.16	.18	.20	.40	.50
No. 8, Ball ornament, each	.16	.18	.20	.25	.35
Pipe size, inches	2	2 $\frac{1}{2}$	3	4	
No. 1, Elbow, each	.72	1.60	2.25	4.50	
No. 2, Elbow, side outlet, each	.80	1.75	2.50	5.00	
No. 3, Tee, each	.75	1.75	2.50	5.00	
No. 4, Tee, side outlet, each	.90	1.90	2.60	5.25	
No. 5, Cross, each	1.00	1.80	2.60	5.25	
No. 6, Cross, side outlet, each	1.35	2.00	2.75	5.50	
No. 7, Floor flange, square, ea.	.90	1.35	2.50	5.00	
No. 8, Ball ornament, each	.90	1.35	2.00	4.25	

Railing fittings will be furnished tapped, as shown in cuts, or right hand on all openings when so specified, at regular price. Tapped otherwise will be charged at 15 per cent additional net. Orders for fittings to be tapped special should be accompanied by a sketch.

In ordering specify catalogue number and size.

No. 70



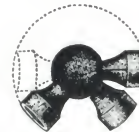
D1491

No. 71



D1492

No. 72



D1493

No. 73



D1494

No. 74



D1495

No. 75

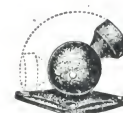
D1496

No. 76



D1497

No. 79



D1498

ADJUSTABLE RAILING FITTINGS

Malleable Iron

D1491 to D1498

Pipe size, inches	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
No. 70, Elbow, each	1.10	1.25	1.70	2.25
No. 71, Tee, each	1.30	1.50	2.00	2.50
No. 72, Stair tee, each	1.30	1.60	2.15	2.50
No. 73, Cross, each	1.50	1.75	2.35	2.75
No. 74, Stair cross, each	1.50	1.85	2.50	2.75
No. 75, Stair landing tee, each	.90	1.10	1.50	2.15
No. 76, Stair landing cross, each	1.00	1.20	1.60	2.40
No. 79, Flange, each	1.65	1.75	1.90	2.50

Add 50 per cent to above prices for galvanized railing fittings.

Almost any angle required for stair railings may be obtained with these fittings.

All openings will be furnished tapped right hand. When ordered tapped otherwise, they will be charged 15 per cent additional net.

In ordering, describe kind wanted by number and size.

CAST IRON SOIL PIPE AND FITTINGS

SOIL PIPE IN FIVE FOOT LENGTHS



D1499—Single Hub



D1500—Double Hub

Single Hub

Size, inches	2	3	4	5	6
Standard, per foot	.26	.35	.46	.58	.70
Extra Heavy, per foot	.40	.62	.84	1.10	1.30
Size, inches	7	8	10	12	15
Standard, per foot	1.40	1.40	2.40	3.00	5.60
Extra Heavy, per foot	2.20	2.20	3.60	4.40	8.00

Double Hub

Size, inches	2	3	4	5	6
Standard, per foot	.28	.37	.48	.62	.74
Extra Heavy, per foot	.42	.65	.88	1.14	1.36
Size, inches	7	8	10	12	15
Standard, per foot	1.60	1.60	2.60	3.20	5.80
Extra Heavy, per foot	2.40	2.40	3.80	4.60	8.40

APPROXIMATE WEIGHTS OF SOIL PIPE AND FITTINGS

Standard

Size, inches	2	3	4	5	6	8	10	12
Pipe, lbs. per foot	3 1/2	4 1/2	6 1/2	8 1/2	10 1/2	18	25	30
Quarter bend, lbs. ea.	4	5 1/2	8	10	14 1/2	34	41	...
Sixth bend, lbs. ea.	3	4 3/4	6	8	11	24	32 3/4	...
Eighth bend, lbs. ea.	3	4 3/4	6	8	11	24	32 3/4	...
T branch, lbs. ea.	4	8	10	15	20	38	55	...
Crosses, lbs. ea.	5	10	12	16	24	...	45	...
Y branch, lbs. ea.	5	9	13	18	25	42	70	...
Half Y branch, lbs. ea.	4 1/2	6 1/2	10	14	16	...	...	...
Dbl. Y branch, lbs. ea.	8	11	18	26	37	...	...	...
Double hubs, lbs. ea.	3	4	6	8	10	16	26	...
St'ght sleeve, lbs. ea.	2 1/2	4	5	6	7	...	...	...
Traps, lbs. ea.	5 1/2	10	19	26	35	...	...	...
Reducers, lbs. ea.	...	3	4	6	8	9	...	...
Offsets—2x8, 5 lbs.; 3x8, 8 lbs.; 4x12, 15 lbs.; 5x12, 20 lbs.; 6x8, 22 lbs.								

Extra Heavy

Size, inches	2	3	4	5	6	8	10	12
Pipe, lbs. per foot	5 1/2	9 1/2	13	17	20	33 1/2	44	54
Quarter bend, lbs. ea.	6	8	12	15	20	44	74	...
Sixth bend, lbs. ea.	4 3/4	6 1/4	9 1/2	12	16	35 1/2	59 1/2	...
Eighth bend, lbs. ea.	4 1/4	6 1/4	9 1/2	12	16	35 1/2	59 1/2	...
T Branch, lbs. ea.	7	13	20	25	34	50	104	...
Crosses, lbs. ea.	10	20	24	32	48	85	...	...
Y Branch, lbs. ea.	10	15	25	32	45	85	151	...
Half Y Branch, lbs. ea.	8	13	18	24	30	...	...	...
Dbl. Y Branch, lbs. ea.	12	20	32	42	60	...	...	...
Double hubs, lbs. ea.	4 1/2	7	8	11	14	28	47	...
St'ght sleeve, lbs. ea.	4	6	7	9	10	...	...	...
Traps, lbs. ea.	9	18	28	45	68	...	...	...
Reducers, lbs. ea.	...	4	6	8	11	16	...	...
Offsets—2x8, 9 lbs.; 3x8, 15 lbs.; 4x12, 23 lbs.; 5x12, 30 lbs.; 6x8, 38 lbs.								

Note—The determining of the right or left-hand side inlets or outlets of all fittings is based on facing the hub end or ends when placed in proper position for caulking.

1/8 Bend



D1501

1/4 Bend



D1502

1/4, 1/2, 3/4—BENDS—1/8, 1/4

Size, inches	2	3	4	5	6
1/4 Bends, standard	.40	.55	.70	1.05	1.30
1/4 Bends, extra heavy	.55	.70	.85	1.25	1.55
1/2 Bends, standard	.45	.80	.80	1.05	1.30
1/2 Bends, extra heavy	.60	1.00	1.00	1.25	1.55
3/4 Bends, standard	.40	.60	.60	1.05	1.30
3/4 Bends, extra heavy	.45	.75	.75	1.25	1.55
1/4 Bends, standard	.35	.45	.60	.80	1.05
1/4 Bends, extra heavy	.40	.55	.75	1.00	1.25
1/2 Bends, standard	.35	.50	.60	.80	1.00
1/2 Bends, extra heavy	.40	.70	.70	1.00	1.25
Size, inches	7	8	10	12	15
1/4 Bends, standard	4.20	4.00	5.90	8.65	16.80
1/4 Bends, extra heavy	5.60	5.00	6.50	10.80	21.00
1/2 Bends, standard	4.20	4.00	5.90	8.65	16.80
1/2 Bends, extra heavy	5.60	5.00	6.50	10.80	21.00
3/4 Bends, standard	4.20	4.00	5.90	8.65	16.80
3/4 Bends, extra heavy	5.60	5.00	6.50	10.80	21.00
1/4 Bends, standard	4.20	4.00	5.90	8.65	16.80
1/4 Bends, extra heavy	5.60	5.00	6.50	10.80	21.00

1/4 Bend Side Inlet



D1503

1/4 Bend Heel Inlet



D1504

SIDE INLET AND HEEL INLET—1/4 BENDS

Size, inches	2x2	3x2	3x3	4x2	4x3	4x4
Standard, each	1.25	1.25	1.25	1.25	3.10	3.10
Extra Heavy, each	1.55	1.55	1.55	1.55	3.85	3.85
Size, inches	5x2	5x3	5x4	6x2	6x3	6x4
Standard, each	3.70	3.70	3.70	4.30	4.30	4.30
Extra Heavy, each	4.60	4.60	4.60	5.40	5.40	5.40

*Side inlet can be furnished with spigot.

Double Quarter Bend



D1505

Return Bend



D1506

DOUBLE QUARTER BENDS

Size, inches	2x2	3x2	3x3	4x2	4x3	4x4
Standard, each	1.50	2.45	2.55	2.80	2.80	2.80
Extra Heavy, each	1.85	3.05	3.20	3.45	3.45	3.45

S. H. RETURN BENDS

Size, inches	2	3	4	5	6
Standard, each	1.25	1.50	1.70	2.45	3.10
Extra Heavy, each	1.55	1.85	2.00	3.05	3.85

D. H. RETURN BENDS

Size, inches	2	3	4	5	6
Standard, each	1.35	1.60	1.75	2.75	3.40
Extra Heavy, each	1.70	2.00	2.20	3.40	4.25

CAST IRON SOIL PIPE FITTINGS

Double Hub
1/4 Bend



D1507

Double Hub
1/8 Bend



D1508

DOUBLE HUB 1/4, 1/8, 1/16 BEND

Size, inches	2	3	4	5	6
Standard, each	.75	.95	1.20	1.85	2.45
Extra Heavy, each	.90	1.15	1.40	2.30	3.05

Long Sweep Bend



D1509

Long 1/4 Bend



D1510

LONG SWEEP OR SANITARY BEND

Size, inches	2	3	4	5
Standard, each	.75	.95	1.25	1.70
Extra Heavy, each	.90	1.15	1.55	2.00
Size, inches	6	7	8	10
Standard, each	2.75	7.55	6.00	8.00
Extra Heavy, each	3.40	9.45	7.50	10.00

LONG QUARTER AND EIGHTH BENDS

Size, inches	2	2	2	3	3	3
Length in clear, inches	12	18	24	12	18	24
Standard, each	.90	1.05	1.50	1.50	1.85	2.25
Extra Heavy, each	1.10	1.30	1.85	1.85	2.30	2.75
Size, inches	4	4	4	5	5	5
Length in clear, inches	12	18	24	12	18	24
Standard, each	1.25	1.50	2.75	3.70	4.30	4.90
Extra Heavy, each	1.55	1.85	3.40	4.60	5.40	6.15
Size, inches	6	6	6	8		
Length in clear, inches	12	18	24	18		
Standard, each	4.30	5.00	5.50	7.50		
Extra Heavy, each	5.40	6.15	6.90	10.00		

Sanitary Tee
Branch, Tapped

D1511

Tee Branch
Tapped

D1512

Tee Branch with
Cleanout

D1513

TAPPED SANITARY TEES

Size, inches	2	3	4
Thread, inches	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2
Standard, each	.75	.95	1.25
Extra Heavy, each	.90	1.10	1.55
Size, inches	5	6	
Thread, inches	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2	
Standard, each	1.85	2.95	
Extra Heavy, each	2.30	3.70	

'T' BRANCHES WITH HAND HOLE CLEANOUT

Size, inches	2	3	4	5	6	8
Standard, each	1.05	1.70	1.85	2.45	3.70	5.00
Extra Heavy, each	1.25	2.15	2.30	3.05	4.60	7.50

TAPPED INCREASER



D1514

Size, inches	1 1/4 x 2	1 1/2 x 2	1 1/2 x 3	1 1/4 x 4	1 1/2 x 4
Standard, each	.60	.60	1.40	1.50	1.50
Extra Heavy, each	.75	.75	1.70	1.85	1.85
Size, inches	1 1/2 x 5	2 x 3	2 x 4	2 x 5	2 x 6
Standard, each	2.10	1.40	1.50	2.10	2.40
Extra Heavy, each	2.45	1.70	1.85	2.45	3.00
Size, inches	3 x 4	3 x 5	4 x 5	4 x 6	5 x 6
Standard, each	1.85	2.10	2.50	2.90	3.30
Extra Heavy, each	2.30	2.60	3.10	3.60	4.10

OFFSETS

Regular



D1515

1/8 Bend



D1516

Size, inches	2	3	4	5	6
To Offset 2 in.					
Standard, each	.60	.95	1.00	2.50	3.15
Extra Heavy, each	.75	1.15	1.25	3.15	3.95
To Offset 4 in.					
Standard, each	.60	1.00	1.00	2.50	3.45
Extra Heavy, each	.75	1.25	1.25	3.15	4.30
To Offset 6 in.					
Standard, each	.75	1.10	1.10	2.85	3.45
Extra Heavy, each	.90	1.40	1.40	3.55	4.30
To Offset 8 in.					
Standard, each	.75	1.25	1.25	3.15	3.80
Extra Heavy, each	.90	1.55	1.55	3.95	4.75
To Offset 10 in.					
Standard, each	1.00	1.50	1.50	3.35	4.50
Extra Heavy, each	1.25	1.85	1.85	4.20	5.60
To Offset 12 in.					
Standard, each	1.15	1.60	1.60	3.70	5.10
Extra Heavy, each	1.40	2.00	2.00	4.65	6.35
To Offset 14 in.					
Standard, each	1.25	1.90	1.90	5.25	6.40
Extra Heavy, each	1.55	2.30	2.45	6.55	8.00
To Offset 16 in.					
Standard, each	1.35	2.10	2.00	5.50	6.90
Extra Heavy, each	1.70	2.60	3.40	6.90	8.60
To Offset 18 in.					
Standard, each	1.70	2.30	2.30	6.10	7.25
Extra Heavy, each	2.15	2.90	3.55	7.60	9.05
To Offset 20 in.					
Standard, each	2.00	2.75	2.60	6.35	7.65
Extra Heavy, each	2.50	3.40	4.30	7.95	9.55
To Offset 22 in.					
Standard, each	2.20	3.10	3.10	6.70	8.10
Extra Heavy, each	2.75	3.85	4.60	8.35	10.15
To Offset 24 in.					
Standard, each	2.45	3.70	3.70	6.90	8.50
Extra Heavy, each	3.05	4.60	5.05	8.65	10.60

CAST IRON SOIL PIPE FITTINGS

Sanitary Tee



D1517

Sanitary Tee,
Side Inlet

D1518

Sanitary Tee,
Special Reducing

D1519

SANITARY TEES

Sanitary Tees with side inlet, furnished right or left.

Size, inches	2x2	3x2	3x3	4x2	4x3
Standard, each	.55	.75	.85	.85	1.00
Extra Heavy, each	.75	.90	1.10	1.10	1.25
Size, inches	4x4	5x2	5x3	5x4	5x5
Standard, each	1.15	1.20	1.25	1.40	1.65
Extra Heavy, each	1.40	1.45	1.55	1.70	2.00
Size, inches	6x2	6x3	6x4	6x5	6x6
Standard, each	1.80	1.80	1.80	2.00	2.00
Extra Heavy, each	2.15	2.15	2.15	2.45	2.45
Size, inches	*7	*8	*10	*12	*15
Standard, each	7.00	6.00	10.80	15.10	33.60
Extra Heavy, each	9.80	9.00	15.10	19.40	42.00

*Includes straight and reducing sizes.

TEES, SIDE INLET, TO BE ADDED TO ABOVE LIST

Size of Inlet, R. H. or L. H., inches	2	3	4	5	6
Extra for Inlets, each	1.00	1.25	1.50	2.00	2.50
Extra for Trap Screws, each	1.50	2.00	2.50	3.00	3.50

SPECIAL REDUCING SANITARY TEE

Size, inches	3x2x3	4x2x4	4x3x4	5x4x4
Standard, each	2.50	3.00	2.95	3.80
Extra Heavy, each	3.15	3.70	3.70	4.75
Size, inches	5x4x5	6x4x4	6x4x5	6x4x6
Standard, each	3.80	4.45	4.60	4.60
Extra Heavy, each	4.75	5.55	5.75	5.75

Sanitary Cross



D1520

Tapped Sanitary Cross



D1521

SANITARY CROSSES

Size, inches	2x2	3x2	3x3	4x2	4x3
Standard, each	1.25	1.65	1.65	1.80	1.80
Extra Heavy, each	1.55	2.00	2.00	2.15	2.15
Size, inches	4x4	5x2	5x3	5x4	5x5
Standard, each	1.80	4.95	4.95	4.95	4.95
Extra Heavy, each	2.15	6.15	6.15	6.15	6.15
Size, inches	6x2	6x3	6x4	6x5	6x6
Standard, each	6.15	6.15	6.15	6.15	6.15
Extra Heavy, each	7.70	7.70	7.70	7.70	7.70
Size, inches	7	8	10	12x10	
Standard, each	10.50	9.00	16.20	22.70	
Extra Heavy, each	14.70	13.50	22.65	29.15	

SANITARY CROSSES, TAPPED FOR 1 1/4, 1 1/2 OR 2-INCH IRON PIPE

Size, inches	2	3	4	5	6
Standard, each	1.25	1.50	1.75	2.75	4.10
Extra Heavy, each	1.55	1.85	2.15	3.40	5.10

Y Branch



D1522

Inverted
Y Branch

D1523

Y Branch, Special
Reducing

D1524

Y AND 1/2 Y BRANCHES

Size, inches	2x2	3x2	3x3	3x3x4	4x2	4x3
Standard, each	.55	.75	.85	1.00	.85	1.00
Extra Heavy, each	.75	.90	1.10	1.10	1.10	1.25
Size, inches	4x4	5x2	5x3	5x4	5x5	6x2
Standard, each	1.15	1.20	1.25	1.40	1.65	1.80
Extra Heavy, each	1.40	1.45	1.55	1.70	2.00	2.15
Size, inches	6x3	6x4	6x5	6x6		
Standard, each	1.80	1.80	2.00	2.00		
Extra Heavy, each	2.15	2.15	2.45	2.45		
Size, inches	7 & Red	8 & Red	10 & Red	12 & Red	15 & Red	
Standard, each	7.00	6.00	10.80	15.10	33.60	
Extra Heavy, each	9.80	9.00	15.10	19.40	42.00	

INVERTED Y

Size, inches	2x2	3x2	3x3	4x2	4x3
Standard, each	1.00	1.40	1.40	1.70	1.70
Extra Heavy, each	1.25	1.85	1.85	2.15	2.15
Size, inches	4x4	5x2	5x3	5x4	5x5
Standard, each	1.40	2.45	2.45	3.10	3.40
Extra Heavy, each	2.15	3.05	3.05	3.85	4.60
Size, inches	6x2	6x3	6x4	6x5	6x6
Standard, each	3.70	3.70	4.95	4.95	4.95
Extra Heavy, each	4.60	4.60	6.15	6.15	6.15

TAPPED INVERTED Y

Size, inches	2x1 1/4	2x1 1/2	2x2	3x1 1/4	3x1 1/2
Standard, each	1.40	1.40	1.40	2.00	2.00
Extra Heavy, each	1.70	1.70	1.70	2.45	2.45
Size, inches	3x2	4x1 1/4	4x1 1/2	4x2	5x1 1/4
Standard, each	2.00	2.20	2.20	2.20	2.80
Extra Heavy, each	2.45	2.75	2.75	2.75	3.50
Size, inches	5x1 1/2	5x2	6x1 1/4	6x1 1/2	6x2
Standard, each	2.80	2.80	3.40	3.40	3.40
Extra Heavy, each	3.50	3.50	4.25	4.25	4.25

SPECIAL REDUCING Y

Size, inches	3x2x3	4x2x4	4x3x4	5x4x4	5x4x5	6x4x4
Standard, each	2.50	2.95	2.95	3.80	4.60	4.45
Extra Heavy, each	3.15	3.70	3.70	4.75	5.75	5.55
Size, inches	6x4x5	6x5x4	6x5x5	6x4x6	6x5x6	
Standard, each	4.60	4.60	4.60	4.60	4.60	
Extra Heavy, each	5.75	5.75	5.75	5.75	5.75	

Double "Y" Branch



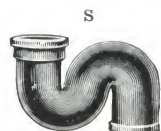
D1525

DOUBLE AND DOUBLE HALF Y'S

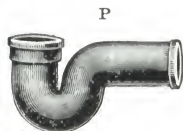
Size, inches	2x2	3x2	3x3	4x2	4x3
Standard, each	1.25	1.65	1.65	1.80	1.80
Extra Heavy, each	1.55	2.00	2.00	2.15	2.15
Size, inches	4x4	5x2	5x3	5x4	5x5
Standard, each	1.80	4.95	4.95	4.95	4.95
Extra Heavy, each	2.15	6.15	6.15	6.15	6.15
Size, inches	6x2	6x3	6x4	6x5	6x6
Standard, each	6.15	6.15	6.15	6.15	6.15
Extra Heavy, each	7.70	7.70	7.70	7.70	7.70
Size, inches	7	8	10	12x10	
Standard, each	10.50	9.00	16.20	22.70	
Extra Heavy, each	14.70	13.50	22.65	29.15	

CAST IRON SOIL PIPE FITTINGS

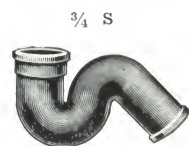
PLAIN TRAPS



D1526



D1527



D1528



D1529

PLAIN S, P, 3/4 S AND RUNNING TRAPS

Size, inches	2	3	4	5	6	8
Standard, each	.90	1.15	1.50	4.30	4.95	10.00
Extra Heavy, each	1.10	1.40	1.85	5.40	6.15	13.00

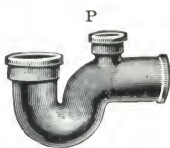
TRAPS WITH TOP VENTS



D1530



D1531



D1532

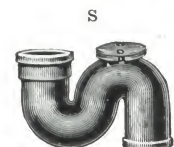
S, 3/4 S AND P TRAPS WITH TOP VENT

Size, inches	2	3	3	4	4	4
Vent, inches	2	2	3	2	3	4
Standard, each	1.20	1.35	1.35	2.20	2.20	2.20
Extra Heavy, each	1.50	1.70	1.70	2.75	2.75	2.75
Size, inches	5	5	5	6	6	6
Vent, inches	2	4	5	2	4	5
Standard, each	4.00	4.00	4.00	4.80	4.80	4.80
Extra Heavy, each	5.00	5.00	5.00	6.00	6.00	6.00
Size, inches	6	7	8	8	10	12
Vent, inches	6	6	4	6	6	6
Standard, each	4.80	14.00	11.60	12.00	19.45	29.35
Extra Heavy, each	6.00	16.80	14.50	15.00	25.90	36.70

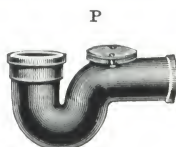
2-inch vent will be furnished on 6-inch and smaller traps unless otherwise specified.

Add for side inlet: 2-inch, 1.00; 3-inch, 1.25; 4-inch, 1.50.

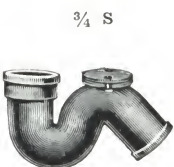
TRAPS WITH HAND HOLE AND COVER



D1533



D1534



D1535



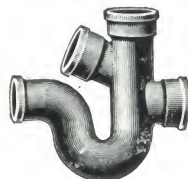
D1536

S, P, 3/4 S AND RUNNING TRAPS WITH HAND HOLE AND COVER

Size, inches	2	3	4	5	6	8
Standard, each	1.25	1.85	2.50	4.95	5.55	10.75
Extra Heavy, each	1.55	2.30	3.10	6.15	6.90	13.75

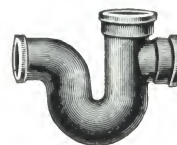
RUNNING TRAPS

Y Branch and Vent



D1537

Hub Vent



D1538

RUNNING TRAP WITH Y BRANCH AND VENT

Size, inches	4x4	5x4	5x5	6x4
Standard, each	4.95	8.60	8.60	6.50
Extra Heavy, each	6.15	10.75	10.75	8.00
Size, inches	6x5	6x6	8x6	
Standard, each	9.85	12.30	13.80	
Extra Heavy, each	12.20	15.35	17.25	

RUNNING TRAP WITH HUB VENT

Size, inches	2	3	3	4	4	4
Vent, inches	2	2	3	2	3	4
Standard, each	1.20	1.35	1.35	2.20	2.20	2.20
Extra Heavy, each	1.50	1.70	1.70	2.75	2.75	2.75
Size, inches	5	5	5	6	6	6
Vent, inches	2	4	5	2	4	5
Standard, each	4.00	4.00	4.00	4.80	4.80	4.80
Extra Heavy, each	5.00	5.00	5.00	6.00	6.00	6.00
Size, inches	6	7	8	8	10	12
Vent, inches	6	6	4	6	6	6
Standard, each	4.80	14.00	12.00	12.00	19.45	29.35
Extra Heavy, each	6.00	16.80	14.50	15.00	25.90	36.70

RUNNING TRAPS WITH DOUBLE HUB VENT

Size, inches	2	3	3	4	4
Vent, inches	2	2	3	2	4
Standard, each	1.60	1.80	1.80	2.60	2.60
Extra Heavy, each	2.00	2.25	2.25	3.25	3.25

Reducer



D1539

Double Hub



D1540

REDUCERS

Size, inches	3x2	4x2	4x3	5x2	5x3
Standard, each	.40	.40	.45	.60	.60
Extra Heavy, each	.45	.45	.55	.75	.75
Size, inches	5x4	6x2	6x3	6x4	6x5
Standard, each	.60	.60	.85	.85	.85
Extra Heavy, each	.75	.75	1.00	1.00	1.00
Size, inches	8x6	10x8	12x10	15x12	
Standard, each	2.50	4.85	6.75	13.30	
Extra Heavy, each	4.25	6.20	10.80	22.30	

SINGLE AND DOUBLE HUBS

Size, inches	2	3	4
Standard, Single Hub, each	.50	.65	.70
Extra Heavy, Single Hub, each	.60	.90	.90
Standard, Double Hub, each	.40	.50	.60
Extra Heavy, Double Hub, each	.45	.75	.75
Size, inches	5	6	7
Standard, Single Hub, each	1.25	1.85	3.50
Extra Heavy, Single Hub, each	1.55	2.45	4.90
Standard, Double Hub, each	1.00	1.15	3.50
Extra Heavy, Double Hub, each	1.25	1.55	4.90
Size, inches	8	10	12
Standard, Single Hub, each	2.50		
Extra Heavy, Single Hub, each	3.50	4.85	
Standard, Double Hub, each	2.50	3.80	5.40
Extra Heavy, Double Hub, each	3.50	4.85	9.20
Size, inches	15		
Standard, Single Hub, each			
Extra Heavy, Single Hub, each			
Standard, Double Hub, each	11.90		
Extra Heavy, Double Hub, each	21.00		

CAST IRON SOIL PIPE FITTINGS

Sleeve



D1541

Plug



D1542

SLEEVES

Size, inches	2	3	4	5	6
Standard, each	.60	.75	.75	1.25	1.85
Extra Heavy, each	.75	.90	.90	1.55	2.30
Size, inches	7	8	10	12	
Standard, each	3.50	2.50	3.80	5.40	
Extra Heavy, each	4.90	3.50	4.85	9.20	

PLUGS

Size, inches	2	3	4	5	6
Standard, each	.25	.40	.45	.60	.75
Extra Heavy, each	.30	.45	.60	.75	.90
Size, inches	7	8	10	12	
Standard, each	1.30	1.20	2.15	3.25	
Extra Heavy, each	1.75	1.50	3.25	4.30	

FRESH AIR INLETS

Desper Pattern



D1543

Pittsburgh Pattern



D1544

DESPER FRESH AIR INLETS

Size, inches	4	5	6
Standard, each	1.00	1.20	1.60
Extra Heavy, each	1.25	1.50	2.00

PITTSBURGH FRESH AIR INLETS

Size, inches	4	5	6
Standard, each	.65	.85	1.25
Extra Heavy, each	.80	.95	1.50

Vent Cap



D1545

Strainer



D1546

VENT CAPS

Size, inches	2	3	4	5	6
Standard, Spigot End, each	.60	.70	.90	1.85	2.00
Ex. Hvy., Spigot End, each	.75	.85	1.10	2.25	2.50
Standard, Hub End, each	1.15	1.20	1.30	2.35	2.60
Ex. Hvy., Hub End, each	1.40	1.45	1.55	2.75	3.25

STRAINERS

Size, inches	2	3	4	5	6	8
Price, each	.10	.15	.20	.25	.30	.65

Soil Pipe Rest



D1547

SOIL PIPE RESTS

Size, inches	2	3	4	5	6	8	10
Standard, each	.30	.40	.40	.75	.95	1.75	2.15
Extra Heavy, each	.40	.45	.45	.90	1.15	2.25	3.25

Floor Plate

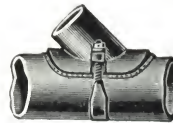


D1548

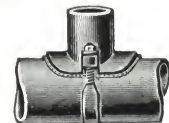
FLOOR PLATES

Size, inches	2	3	4	5	6
Standard, each	.40	.60	.75	.80	1.00
Extra Heavy, each	.50	.75	.90	1.00	1.25

Connolly Saddles



D1549



D1550

CONNOLLY SADDLE HUBS

For Standard or Extra Heavy Pipe

Size, inches	2x2	3x2	3x3	4x2	4x3
T Hubs, Standard, each	.75	.80	.80	.80	.90
T Hubs, Extra Heavy, each	.95	1.00	1.00	1.00	1.10
Y Hubs, Standard, each	.80	.90	.90	.90	.95
Y Hubs, Extra Heavy, each	1.00	1.10	1.10	1.10	1.15
Size, inches	4x4	5x2	5x3	5x4	5x5
T Hubs, Standard, each	.90	.90	.95	1.00	1.00
T Hubs, Extra Heavy, each	1.10	1.10	1.15	1.25	1.25
Y Hubs, Standard, each	.95	.95	1.00	1.05	1.05
Y Hubs, Extra Heavy, each	1.15	1.15	1.25	1.30	1.30
Size, inches	6x2	6x3	6x4	6x5	6x6
T Hubs, Standard, each	1.00	1.00	1.00	1.05	1.15
T Hubs, Extra Heavy, each	1.25	1.25	1.25	1.30	1.40
Y Hubs, Standard, each	1.15	1.15	1.15	1.25	1.25
Y Hubs, Extra Heavy, each	1.40	1.40	1.40	1.55	1.55

Palmer Sewer Valves



D1551



D1552

PALMER SEWER VALVES COMPLETE

Size, inches	2	3	4	5
Price, valve and setting, each	6.00	6.50	7.50	9.00
Size, inches	6	8	10	12
Price, valve and setting, each	10.00	15.00	26.00	40.00

Prices given are for valve and setting with clutch, or bolted cover or with hub for extension.

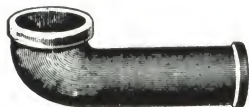
EXTENSIONS FOR VALVES WITH HUB

Size, inches	5	6	8
Length, inches	24	24	24
For valves, inches	3	4	6
Price, each	4.00	5.00	10.00

PALMER VALVES ONLY

Size, inches	2	3	4	5	6	8
Price, each	1.00	1.20	1.60	2.20	2.40	3.20
Size, inches	9	10	12	15	18	
Price, each	6.00	15.00	20.00	25.00	40.00	

CLOSET BENDS, SOIL PIPE FITTINGS, ETC.



D1553

PLAIN CAST IRON CLOSET BEND

Size, inches	4x14	4x18
Price, each	2.20	2.80

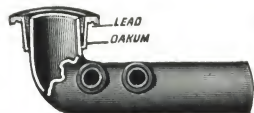


D1554

CAST IRON CLOSET BEND

Tapped 1½" or 2"

Size, inches	4x14	4x18
Price, each	2.40	3.00



D1555

CAST IRON CLOSET BEND

Tapped 1½" or 2"

Size, inches	4x14	4x18
Price, each	2.40	3.00

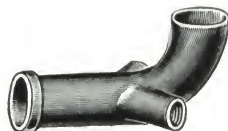


D1556

CAST IRON CLOSET BEND

Tapped 1½" or 2"

Size, inches	4x12	4x14	4x18
Price, each	2.80	2.90	3.00



D1557

CAST IRON CLOSET BEND

With 1½" or 2" 45° Tappings

Size, inches	4x12	4x14	4x18
Price, each	2.80	2.90	3.00



D1558

CAST IRON CLOSET FLOOR FLANGE

Price, Flange only	1.00
Price, with Bolts	1.25



D1559



D1560

CAST IRON COMBINATION STACK BASE FITTING

D1559

With Rear or Front Brass Cover
Cleanout

Size, inches	2x2	4x4
Flanged Cover	3.00	5.00
Plug Cover	3.00	5.00

D1560

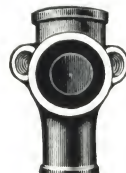
CAST IRON STACK BASE FITTING

For use where Cleanout is raised to meet requirements.

Size, inches	2	4
Price, each	2.00	3.20



D1561



D1562

SPECIAL CAST IRON T-Y'S

D1561

With 2" Right or Left Hub Inlet or
2" Right or Left Tapped Inlet

Size, inches	4x4
Hub Inlet. Price, each	2.70
Tapped Inlet. Price, each	2.40

D1562

SPECIAL CAST IRON T-Y

With 2" Right and Left Hub Inlet or
2" Right and Left Tapped Inlet

Size, inches	4x4
Hub Inlets. Price, each	3.30
Tapped Inlets. Price, each	3.00



D1563

SISSON INSERTABLE JOINT

Size, inches	2	3	4
Price, Standard, ea.	1.40	1.50	1.80
Price, Extra Heavy, each	1.50	1.70	2.00
Size, inches	5	6	
Price, Standard, ea.	2.10	2.60	
Price, Extra Heavy, each	2.30	2.80	



D1564

SPUN OAKUM

50 Lb. Bale. Price, per Lb.



D1565

ROPE OAKUM

50 Lb. Bale. Price, per Lb.



D1566

SOIL PIPE HOOKS

Size, inches	2	3	4
Price, each	.08	.10	.12
Size, inches	5	6	8
Price, each	.15	.20	.40

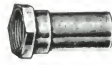
SOLDER NIPPLES, FERRULES, CURB BOXES, ETC.

Solder Nipple



D1567

Solder Union



D1568

Vent Coupling



D1569

BRASS SOLDER NIPPLES, MALE AND FEMALE

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, per dozen	3.60	3.60	3.60	4.20	6.00	8.40
Size, inches	1 1/4	1 1/2	2	2 1/2	3	4
Price, per dozen	10.80	15.00	21.00	36.00	48.00	84.00

BRASS SOLDER UNIONS

Size, inches	1/4	1/2	3/4	1	1 1/2
Price, per dozen	4.20	4.20	4.80	6.00	7.80
Size, inches	1	1 1/4	1 1/2	2	2 1/2
Price, per dozen	10.20	13.20	15.00	21.00	

GROUND JOINT VENT COUPLING

Size, inches	3/8	1/2	3/4	1
Price, per dozen, straight	9.60	11.40	14.40	18.60
Price, per dozen, bent	11.40	14.40	18.60	22.20
Size, inches	1 1/4	1 1/2	2	
Price, per dozen, straight	21.00	27.00	39.00	
Price, per dozen, bent	24.00	33.00	45.00	

Straight



D1570

Reducing



D1571

45°



D1572

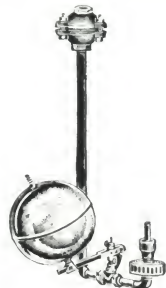
BRASS FERRULES

Straight—Reducing

Size, inches	2x1 1/4	2x1 1/2	2	3	4
Price, per doz., Standard	8.40	8.40	9.00	15.60	18.60
Price, per doz., Ex. Hvy.	12.60	12.60	13.20	22.20	27.60

45° BRASS FERRULES

Size, inches	2	4
Price, per dozen	10.80	36.00



D1573

CLIMAX CELLAR DRAINER With or Without Automatic Movement

No.	1	2	3	4	5	6
Supply Pipe, inches	1/2	3/4	1	1 1/4	1 1/2	2
Discharge Pipe, inches	1	1 1/4	1 1/2	2	2 1/2	3
Price, Automatic Movement	25.00	40.00	55.00	80.00	110.00	160.00
Price, without Automatic Movement	15.00	25.00	35.00	50.00	70.00	100.00

Trap Screw Ferrule



D1574

Drive Ferrule



D1575

Bell Mouth Solder Bushing



D1576

IRON BODY FERRULES WITH BRASS TRAP SCREW

Size, inches	2	3	4	5	6	8
Price, Standard	.30	.40	.50	.90	1.20	2.50
Price, Extra Heavy	.60	.75	1.00	1.25	2.00	3.50

CAST IRON DRIVE FERRULES

Size, inches	2	3	4	5	6
Price, each	.12	.16	.20	.30	.50

BRASS BELL MOUTH SOLDER BUSHINGS

Size, inches	1 1/4	1 1/2	2
Price, per dozen	6.00	7.20	9.00

Service Box



D1577

Lid



D1578

Key



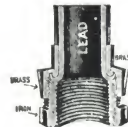
D1579

SERVICE BOXES

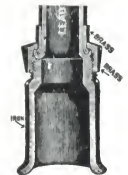
Size	Extension	Price, each
88	1 ft. stationary length	1.00
89A	1 ft. to 1 ft. 8 in.	1.20
90B	1 ft. 6 in. to 2 ft. 2 in.	1.30
91C	1 ft. 9 in. to 2 ft. 9 in.	1.55
92C	2 ft. to 3 ft. 2 in.	1.65
92D	2 ft. to 3 ft. 6 in.	1.85
93D	3 ft. to 4 ft.	2.00
93E	3 ft. to 4 ft. 6 in.	2.15
94D	3 ft. 6 in. to 4 ft. 9 in.	2.20
94E	3 ft. 6 in. to 5 ft.	2.30
95E	4 ft. to 5 ft. 6 in.	2.45
100E	4 ft. 6 in. to 6 ft.	2.60
100F	4 ft. 6 in. to 6 ft. 6 in.	2.80
95G	4 ft. to 7 ft.	2.95
100G	4 ft. 6 in. to 7 ft. 6 in.	3.15

COVERS, KEYS AND BRASS SCREWS

Price, Covers, each	.25
Price, Keys, each	.15
Price, Brass Screws, each	.15



D1580



D1581

ATHOL UNION FERRULES

Shows a union for connecting wrought iron pipe with lead pipe without the use of solder. The method of using this union is the same as D1581. Made in two sizes.

Prices, D1580

1 1/4 "x1 1/4 " Iron Bushing with Brass Union	.90
1 1/4 "x1 1/4 " All Brass	1.30
1 1/2 "x1 1/2 " Iron Bushing with Brass Union	1.10
1 1/2 "x1 1/2 " All Brass	1.50

A SOIL PIPE UNION FERRULE for connecting 2" Cast Iron Soil Pipe with 1 1/4" and 1 1/2" Lead Pipe without the use of Solder. The method of using same is very simple as shown in illustration. The turned over end of the Lead Pipe forms the packing. Serves as a cleanout, can be disconnected at any time; no special tools required. Made in two sizes.

Prices, D1581

2"x1 1/4 " Iron Body with Brass Union	.90
2"x1 1/4 " All Brass	1.30
2"x1 1/2 " Iron Body with Brass Union	1.10
2"x1 1/2 " All Brass	1.50

MODERN PIPE HANGERS



D1582

SOLID RING PIPE HANGERS

Size, inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Plain iron, per 100	5.00	5.00	5.80	7.75	10.00	14.00	22.00
Galvanized, per 100	6.50	6.50	7.00	9.00	12.00	16.00	25.00



D1583

SPLIT RING CONCEALED SCREW PIPE HANGERS

Size, inches	3/8	1/2	3/4	1
Galvanized, per 100	17.00	17.00	20.00	25.00
Size, inches	1 1/4	1 1/2	2	
Galvanized, per 100	30.00	40.00	50.00	



D1584

SPLIT RING EXTENSION PIPE HANGER

Size, inches	3/8	1/2	3/4	1	1 1/4
Plain iron, each	.22	.22	.27	.32	.35
Galvanized, each	.25	.25	.30	.35	.40
Plain, without nipple, ea.	.17	.17	.22	.27	.30
Galv., without nipple, ea.	.20	.20	.25	.30	.35
Size, inches	1 1/2	2	2 1/2	3	4
Plain iron, each	.40	.50	.70	.90	1.10
Galvanized, each	.50	.60	.80	1.00	1.25
Plain, without nipple, ea.	.35	.45	.65	.80	1.00
Galv., without nipple, ea.	.45	.55	.70	.90	1.15



D1585

NO. 1 BALL JOINT PIPE HANGER

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	.15	.18	.18	.20	.22	.25
Size, inches	2 1/2	3	3 1/2	4	5	6
Price, each	.30	.35	.50	.60	.70	.90



D1586

NO. 14 HINGE HANGER AND BOLT

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, each	.17	.17	.19	.21	.23	.25	.27
Size, inches	3	3 1/2	4	4 1/2	5	6	
Price, each	.29	.33	.35	.37	.39	.43	



D1587



D1588

D1587—FLATTENED LAG SCREW WITH BOLT

No. 1 for pipe 1/2 to 1 1/2" inclusive, list price each	.10
No. 2 for pipe 2 to 3 " inclusive, list price each	.12
No. 3 for pipe 3 1/2 to 6 " inclusive, list price each	.14
No. 4 for pipe 7 to 8 " inclusive, list price each	.20
No. 5 for pipe 8 to 12 " inclusive, list price each	.25

D1588—MALLEABLE IRON SOCKETS

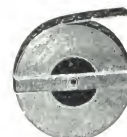
No. 1 for 1/8" pipe, list price each	.08
No. 2 for 1/4" pipe, list price each	.10
No. 3 for 3/8" pipe, list price each	.12
No. 4 for 1/2" pipe, list price each	.15
No. 5 for 3/4" pipe, list price each	.20



D1589

PERFORATED EXTENSION BAR

No. 1—3/4" 16 gauge, price per foot	.08
No. 2—3/4" 14 gauge, price per foot	.09
No. 3—3/4" 12 gauge, price per foot	.10



D1590

FITALL PIPE HANGER

No. 1 made from 3/8" galv. band, price per 100 ft. coil	3.25
No. 3 made from 1" galv. band, price per 100 ft. coil	4.00
No. 5 made from 3/4" black band, price per 100 ft. coil	2.50
Put up in coils of 100 feet each, 100 cotter pins supplied with each coil.	

STANDARD VALVES

Globe



D1591

Angle



D1592

BRASS GLOBE AND ANGLE VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4
Price, each	.72	.77	1.00	1.26	1.80	2.52	
Size, inches	1 1/2	2	2 1/2	3	3 1/2	4	
Price, each	3.50	5.30	10.00	14.40	26.50	36.00	

D1593—BRASS CROSS VALVES

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	1.25	1.25	1.50	2.00	2.50
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	3.50	5.00	8.00	16.00	24.00

Horizontal
Check

D1594

Horizontal
Swing Check

D1595

BRASS HORIZONTAL CHECK VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4
Price, screwed, ea.	.65	.65	.70	.90	1.15	1.60	2.25
Price, flanged, ea.					4.90	6.50	8.25
Size, inches	1 1/2	2	2 1/2	3	3 1/2	4	
Price, screwed, ea.	3.15	4.75	9.00	13.00	24.00	32.50	
Price, flanged, ea.	10.15	15.50	22.00	33.50	47.50	66.50	

BRASS HORIZONTAL SWING CHECK VALVES

Size, inches	3/8	1/2	3/4	1	1 1/4
Price, each	1.80	2.00	2.25	2.80	3.65
Size, inches	1 1/2	2	2 1/2	3	
Price, each	4.75	6.75	15.00	24.00	

Angle
Check

D1596

Vertical
Check

D1597

BRASS ANGLE CHECK VALVES

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	.72	.77	1.00	1.26	1.80
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	2.52	3.50	5.30	10.00	14.40

BRASS VERTICAL CHECK VALVES

Size, inches	1/4	3/8	1/2	3/4	
Price, each	.72	.77	1.00	1.26	
Size, inches	1	1 1/4	1 1/2	2	
Price, each	1.80	2.52	3.50	5.30	

Globe



D1598

Angle



D1599

JENKINS BRASS GLOBE AND ANGLE VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, each	1.10	1.10	1.25	1.60	2.20	2.80
Size, inches	1 1/4	1 1/2	2	2 1/2	3	
Price, each	4.00	5.50	8.75	15.75	22.00	

JENKINS BRASS CROSS VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, each	1.70	1.70	2.00	2.25	2.50	3.25
Size, inches	1 1/4	1 1/2	2	2 1/2	3	
Price, each	4.75	6.25	9.50	20.00	27.50	

Horizontal
Check

D1600

Horizontal
Swing Check

D1601

JENKINS BRASS HORIZONTAL CHECK VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, each	1.10	1.10	1.20	1.30	1.90	2.60
Price, ea., flanged				4.00	5.00	6.00
Size, inches	1 1/4	1 1/2	2	2 1/2	3	
Price, each	3.60	5.00	7.50	14.00	21.00	
Price, ea., flanged	8.00	10.00	15.00	23.00	32.00	

JENKINS BRASS SWING CHECK VALVES

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	1.20	1.20	1.30	1.90	2.60
Price, each, flanged			4.00	5.00	6.00
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	3.60	5.00	7.50	14.00	21.00
Price, each, flanged	8.00	10.00	15.00	23.00	32.00

Angle
Check

D1602

Vertical
Check

D1603

JENKINS BRASS ANGLE CHECK VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, each	1.10	1.10	1.20	1.30	1.90	2.60
Size, inches	1 1/4	1 1/2	2	2 1/2	3	
Price, each	3.60	5.00	7.50	14.00	21.00	

JENKINS BRASS VERTICAL CHECK VALVES

Size, inches	1/8	1/4	3/8	1/2	3/4	1
Price, each	1.10	1.10	1.20	1.30	1.90	2.60
Size, inches	1 1/4	1 1/2	2	2 1/2	3	
Price, each	3.60	5.00	7.50	14.00	21.00	

STANDARD VALVES

Gate



D1604

Service Gate



D1605

BRASS GATE VALVES

Size, inches	1/4	3/8	1/2	3/4	1
Price, ea., screwed	1.45	1.45	1.65	2.05	2.80
Price, ea., flanged					
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, ea., screwed	3.70	5.00	7.30	13.00	19.00
Price, ea., flanged			25.00	33.00	39.00
Size, inches	3 1/2	4	5	6	
Price, ea., screwed	43.00	58.00	110.00	165.00	
Price, ea., flanged	68.00	83.00	135.00	190.00	

BRASS SERVICE GATE VALVES

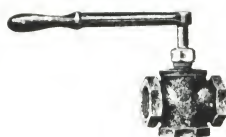
Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	1.65	2.00	2.75	4.00	6.00	8.50

Quick-Opening Gate



D1606

Throttle Valve



D1607

SLIDING STEM QUICK OPENING BRASS GATE VALVES

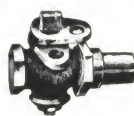
Size, inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, each	3.60	4.80	6.20	8.50	11.80	20.25	30.00

BRASS THROTTLE VALVES

Size, inches	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, each	10.00	11.50	14.00	20.00	25.00	35.00

Lock
Service Cock

D1608

Lock Union
Meter Cock

D1609

BRASS LOCK SERVICE COCKS

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	1.30	1.60	2.10	3.50	5.00	7.00

BRASS LOCK UNION METER COCKS

Size, inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	1.85	2.00	2.35	3.50	5.25	7.45	11.90

Union Meter Cock



D1610

Gas Service Cock



D1611

BRASS UNION METER COCKS

Size, inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	1.55	1.70	2.05	3.10	4.65	6.70	10.90

BRASS GAS SERVICE COCKS

Flat or Square Head

Size, inches ..	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, each..	.90	1.00	1.10	1.30	2.10	3.25	4.60	8.00

Steam Cock



D1612

3-Way Steam Cock



D1613

BRASS STEAM COCKS

Flat or Square Head

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4
Price, each	.85	1.00	1.25	1.70	2.35	3.70
Size, inches	1 1/2	2	2 1/2	3	3 1/2	4
Price, each	4.85	7.30	14.50	22.50	38.50	50.00

BRASS THREE-WAY STEAM COCKS

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	1.80	2.10	2.50	3.00	3.75
Size, inches	1 1/4	1 1/2	2	2 1/2	3
Price, each	5.75	7.15	11.00	18.75	26.00

Safety Valve



D1614

Relief Valve



D1615

BRASS POP SAFETY VALVES

Size, inches	1/2	3/4	1	1 1/4
Price, each, rough	5.25	5.25	6.00	6.75
Price, each, finished	6.00	6.00	6.75	7.75
Price, each, N. P.	6.75	6.75	7.75	8.75
Size, inches	1 1/2	2	2 1/2	3
Price, each, rough	8.25	11.25	26.00	37.50
Price, each, finished	9.50	13.00	28.00	41.00
Price, each, N. P.	10.50	14.00	30.00	44.00

BRASS RELIEF VALVES

Size, inches	1/2	3/4	1	1 1/4
Price, each, finished	11.00	11.00	13.00	16.00
Price, each, nickel-plated	12.00	12.00	14.00	18.00
Size, inches	1 1/2	2	2 1/2	
Price, each, finished	19.00	29.00	46.00	
Price, each, nickel-plated	22.00	32.00	50.00	

STANDARD VALVES

Globe Valve



D1616

Angle Valve



D1617

IRON BODY BRASS MOUNTED GLOBE VALVES

Wheel Handle

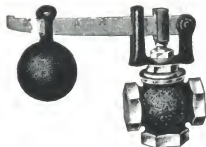
Size, inches	2	2½	3
Price, each, screwed	5.40	7.35	9.80
Price, each, flanged	7.00	9.00	12.50

IRON BODY BRASS MOUNTED ANGLE VALVES

Wheel Handle

Size, inches	2	2½	3
Price, each, screwed	5.40	7.35	9.80
Price, each, flanged	7.00	9.00	12.50

Safety Valve



D1618

All Iron Cock



D1619

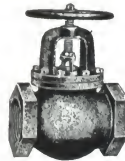
IRON BODY BRASS MOUNTED SAFETY VALVES

Size, inches	1¼	1½	2	2½	3	3½
Price, each, screwed	5.00	5.80	7.80	13.25	17.25	23.00
Size, inches	4	4½	5	6	7	8
Price, each, screwed	28.75	34.50	41.50	57.75	93.50	132.00
Size, inches	4	5	6	7	8	
Price, each, flanged	34.00	48.00	65.00	100.00	140.00	

ALL IRON COCKS

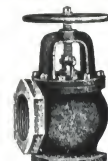
Size, inches	½	¾	1	1¼	1½
Price, each	.90	1.05	1.30	1.60	1.95
Price, galvanized, each	1.35	1.60	1.95	2.40	2.95
Price, each with brass washer	1.00	1.20	1.55	1.95	2.35
Price, each with brass plug	1.30	1.60	1.90	2.65	3.75
Size, inches	2	2½	3	3½	4
Price, each	2.70	4.40	6.75	12.00	15.50
Price, galvanized, each	4.05	6.60	10.15	18.00	23.25
Price, each with brass washer	3.20	5.15	7.75	14.00	19.00
Price, each with brass plug	5.25	8.75	13.00	27.50	36.50
Size, inches	5	6	8		
Price, each	32.00	45.00	100.00		
Price, galvanized, each	48.00	67.50	150.00		
Price, each with brass washer	38.00	53.00	110.00		
Price, each with brass plug	67.00	94.00	110.00		

Globe Valve



D1620

Angle Valve



D1621

IRON BODY BRASS MOUNTED GLOBE AND ANGLE VALVES WITH YOKE

Size, inches	2	2½	3	3½	4
Price, ea., screwed	7.00	9.00	12.50	15.25	19.00
Price, ea., flanged	8.60	10.75	15.00	18.50	22.50
Size, inches	4½	5	6	7	8
Price, ea., screwed	24.00	27.00	37.50	63.00	72.00
Price, ea., flanged	27.50	31.00	42.00	68.00	77.00
Size, inches	10	12	14	16	
Price, ea., screwed	114.00	170.00			
Price, ea., flanged	123.00	187.00	350.00	475.00	

Gate Valve



D1622

Horizontal
Check Valve

D1623

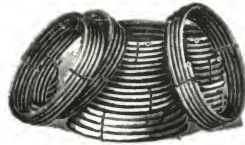
IRON BODY BRASS MOUNTED GATE VALVES

Size, inches	2	2½	3	3½
Price, each, screwed	10.00	11.50	14.00	17.00
Price, each, flanged	12.00	13.50	16.50	19.50
Size, inches	4	4½	5	6
Price, each, screwed	19.00	24.00	27.50	32.50
Price, each, flanged	23.00	28.00	31.50	36.50
Size, inches	7	8	9	10
Price, each, screwed	45.00	54.00	76.00	90.00
Price, each, flanged	49.00	58.00	81.00	95.00
Size, inches	12	14	15	16
Price, each, screwed	125.00			
Price, each, flanged	133.00	181.00	220.00	260.00
Size, inches	18	20	22	24
Price, each, flanged	350.00	425.00	530.00	600.00
Size, inches	26	28	30	
Price, each, flanged	800.00	950.00	1100.00	

IRON BODY BRASS MOUNTED HORIZONTAL CHECK VALVES

Size, inches	2	2½	3	3½	4
Price, each, screwed	3.60	6.50	8.90	12.25	14.25
Size, inches	4½	5	6		
Price, each, screwed	19.00	22.00	30.00		
Size, inches	3	4	5	6	7
Price, each, flanged	11.50	18.00	26.00	35.00	50.00
Size, inches	8	10	12	14	
Price, each, flanged	62.00	115.00	175.00	300.00	

LEAD GOODS



D1624

LEAD PIPE, price per lb.

CALIBER LIST

Inside Caliber, Inches	Aqueduct			Extra Light			Light			Medium			Strong			Extra Strong			Double Extra Strong		
	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet	Weight per Foot		Average Length of Coil, Feet
	Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces	
3/8	...	8	340	...	10	270	...	12	225	1	...	170	1	8	110	2	...	85	...	...	...
1/2	...	8	330	...	12	220	1	...	165	1	4	132	1	12	90	3	...	65	...	...	...
3/4	...	12	220	1	...	165	1	8	110	2	...	80	2	8	66	3	...	55	3	...	...
1	...	14	185	1	4	129	1	12	92	2	4	71	2	...	53	3	...	46	4	...	20
1 1/4	1	10	98	...	...	80	...	6	67	3	4	49	4	...	40	4	12	33	6	...	46
1 1/2	12	...	80	...	8	60	...	...	53	3	12	42	4	12	32	6	...	26	6	12	23
1 3/4	3	...	53	...	8	45	...	4	37	...	...	32	6	4	25	...	...	20	9	...	18
2	3	...	...	4	...	...	...	...	...	6	8	42	7	8	36	...	...	30	10	14	25
2 1/4	4	...	...	6	...	...	...	...	34	11	...	25	14	...	20	17	...	16	...	...	...
2 1/2	5	...	...	5	11	...	...	...	...	...	6	...	16	...	...	20	...	...	...	...	...
2 3/4	...	...	...	...	...	...	...	...	...	15	...	...	18	8	...	22	...	...	...	...	...
3	...	...	...	...	...	...	12	8	...	16	...	...	20	...	...	25	...	...	29	10	8
3 1/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	12	...	24	12	...
3 1/2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22	...	...	...	...	...
3 3/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 1/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 1/2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 3/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 1/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 1/2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 3/4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



D1625

Bar Tin, price per lb.



D1626

Half and Half Solder, price per lb.



D1627

40/60 Extra quality Wiping Solder, price per lb.



D1628

Pig Lead, price per lb.

SOLDERING PASTE



D1629

Soldering Paste.

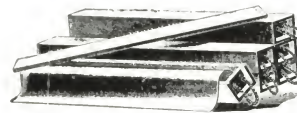
Size cans 1 1/2 ounces 5 ounces 1 1/4 lbs.
 Price, per doz. cans 1.20 3.60 12.00

LEAD WOOL



D1630

Lead Wool, price per lb.



D1631

SHEET LEAD, price per lb.

Weight per square foot, pounds	Thickness, inches	Average size of sheet, feet Width	Length	Average weight per roll, pounds
1 1/2	1/64	7 1/2	18	225
2	1/32	7 1/2	18	270
2 1/2	3/64	8 1/4	19	390
3	1/25	8 1/4	19	475
3 1/2	1/20	8 1/4	19	560
4	1/16	8 1/2	20	680
4 1/2	1/15	8 1/2	20	760
5	1/14	8 1/2	20	850
6	1/12	8 3/4	22	1050
7	1/10	8 3/4	22	1300
8	1/8	8 3/4	25	1600

Weights of 10 to 16 pounds per square foot and heavier rolled to order.

D1632

BLOCK TIN PIPE

Block Tin Pipe, price per lb.

Inside diameter, in...	1/4	3/8	1/2	3/4
Weight per foot, ounces...	3 and 5	4 and 6 1/2	4, 5, 6, 8 and 10	4
Inside diameter, in...	1/2	5/8	3/4	1
Weight per foot, ounces...	4 1/2, 5, 6 and 8	8 and 10	10 and 12	15 and 18
Inside diameter, in...	1 1/4	1 1/2	2	
Weight per foot, pounds...	1 1/4 and 1 1/2	2 and 2 1/2	2 1/2 and 3	

LEAD GOODS



D1633

PLAIN SHORT LEAD "S" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.58	.90	1.38

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.87	1.25	1.85



D1634

PLAIN SHORT LEAD "P" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.51	.75	1.20

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.77	1.09	1.57



D1635

PLAIN SHORT LEAD "3/4 S" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.55	.81	1.30

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.81	1.15	1.73



D1636

PLAIN SHORT LEAD RUNNING TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.48	.72	1.13

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.70	1.03	1.46



D1637

PLAIN LONG LEAD "S" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.93	1.36	2.00

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	1.44	1.95	2.69



D1638

PLAIN LONG LEAD "P" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	.76	1.02	1.55

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	1.14	1.50	2.02



D1639

VENTED LONG LEAD "S" TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, each	1.73	2.31	2.95

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, each	2.24	2.90	3.64



D1640

PLAIN LEAD BAG TRAPS
Standard Weight

Size, inches	1 1/4	1 1/2	2
Price, short, each	.68	1.08	1.73
Price, long, each	1.09	1.58	2.34

Extra Heavy Weight

Size, inches	1 1/4	1 1/2	2
Price, short, each	1.67	2.24	3.11
Price, long, each .....	.....	.....	.....

LEAD GOODS



D1641

LEAD DRUM TRAPS WITH NICKEL-PLATED COVER

Standard Weight				Extra Heavy Weight		
Size, inches	4x8	4x9	4x10	4x8	4x9	4x10
List	2.20	2.32	2.40	2.70	2.80	2.93

Short Inlet



D1642

Long Inlet



D1643

LEAD BENDS

Standard Weight										
Short Inlet						Long Inlet				
Size, in.	1 1/4	1 1/2	2	3	4	1 1/4	1 1/2	2	3	4
10" Inlet	.25	.38	.57	1.09	1.50	.30	.50	.78	1.39	1.95
12" Inlet	.40	.56	.79	1.39	1.70	.46	.67	.99	1.73	2.15
15" Inlet	.47	.67	.94	1.65	2.00	.54	.77	1.14	1.99	2.44
18" Inlet	.55	.77	1.09	1.90	2.30	.62	.88	1.29	2.24	2.73
20" Inlet	.60	.84	1.19	2.07	2.48	.67	.95	1.39	2.42	2.92

Extra Heavy Weight

	Short Inlet					Long Inlet				
Size, in.	1 1/4	1 1/2	2	3	4	1 1/4	1 1/2	2	3	4
10" Inlet	.34	.62	.80	1.21	1.84	.50	.79	1.05	1.60	2.40
12" Inlet	.60	.90	1.08	1.57	2.09	.70	1.07	1.35	1.96	2.62
15" Inlet	.72	1.07	1.28	1.87	2.45	.82	1.24	1.56	2.25	2.98
18" Inlet	.84	1.24	1.49	2.16	2.81	.94	1.41	1.76	2.54	3.34
20" Inlet	.92	1.35	1.63	2.35	3.04	1.02	1.52	1.90	2.74	3.58

The following extras to be added to above lists for each inch of excess in length over that listed.

Standard Weight						Extra Heavy Weight				
Size, in.	1 ¼	1 ½	2	3	4	1 ¼	1 ½	2	3	4
Add per inch	.03 ¼	.04 ½	.06 ¼	.10 ¾	.12	.05	.07	.08 ½	.12	.15



D1644

COMBINATION LEAD BEND AND IRON FERRULE

Standard Weight

Length of outlet end, inches	12	13	14	15	16
Price, 4", short inlet, 5 1/2"	2.20	2.30	2.40	2.50	2.60
Price, 4", long inlet, 9 3/4"	2.65	2.75	2.85	2.94	3.04
Length of outlet end, inches	17	18	19	20	
Price, 4", short inlet, 5 1/2"	2.70	2.80	2.90	3.00	
Price, 4", long inlet, 9 3/4"	3.14	3.23	3.33	3.42	

Extra Heavy Weight

Length of outlet end, inches	12	13	14	15	16
Price, 4", short inlet, 5 1/2"	2.59	2.71	2.83	2.95	3.07
Price, 4", long inlet, 9 3/4"	3.12	3.24	3.36	3.48	3.60
Length of outlet end, inches	17	18	19	20	
Price, 4", short inlet, 5 1/2"	3.19	3.31	3.43	3.54	
Price, 4", long inlet, 9 3/4"	3.72	3.84	3.96	4.08	



D1645

COMBINATION LEAD AND IRON FERRULES

Standard Weight

Length, inches	4	4 1/2	5	6	8	10
Price, 1 1/4" for 2" pipe	.28	.36	.43	.51	.60	
Price, 1 1/2" for 2" pipe	.28	.36	.43	.51	.60	
Price, 2 " for 2" pipe	.28	.41	.46	.57	.67	
Price, 3 " for 3" pipe	.42	.60	.67	.82	.98	
Price, 4 " for 4" pipe	.50	.72	.85	1.02	1.25	
Length, inches	12	14	16	18	20	
Price, 1 1/4" for 2" pipe	.67					
Price, 1 1/2" for 2" pipe	.67	.80	.90	1.00	1.10	
Price, 2 " for 2" pipe	.67	.80	.86	.92	1.00	
Price, 3 " for 3" pipe	1.10	1.15	1.22	1.30	1.40	
Price, 4 " for 4" pipe	1.40	1.60	1.73	1.85	2.10	

Extra Heavy Weight

Length, inches	4	4 1/2	5	6	8	10
Price, 1 1/4" for 2" pipe	.38	.44	.52	.61	.72	
Price, 2 " for 2" pipe	.42	.49	.54	.67	.81	
Price, 3 " for 3" pipe	.55	.75	.84	1.00	1.18	
Price, 4 " for 4" pipe	.70	.84	.94	1.23	1.45	
Length, inches	12	14	16	18	20	
Price, 1 1/4" for 2" pipe	.80	1.15	1.30	1.45	1.60	
Price, 2 " for 2" pipe	.93	1.10	1.23	1.36	1.49	
Price, 3 " for 3" pipe	1.35	1.46	1.63	1.80	1.97	
Price, 4 " for 4" pipe	1.67	2.00	2.21	2.45	2.70	



D1646

COMBINATION SOLDERING NIPPLES

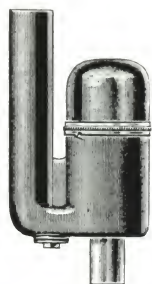
Standard Weight

Length, inches	4	5	6	8	10
Price, 1 1/4" for iron pipe	.39	.42	.44	.52	.58
Price, 1 1/2" for iron pipe	.48	.55	.60	.66	.74
Price, 2 " for iron pipe	.72	.81	.86	.96	1.08
Price, 3 " for iron pipe	1.26	1.43	1.50	1.67	1.86
Price, 4 " for iron pipe	1.63	1.84	1.95	2.13	2.36
Length, inches	12	14	16	18	20
Price, 1 1/4" for iron pipe	.63	.73	.78	.83	.90
Price, 1 1/2" for iron pipe	.80	.93	1.00	1.07	1.15
Price, 2 " for iron pipe	1.17	1.37	1.47	1.56	1.68
Price, 3 " for iron pipe	2.00	2.27	2.41	2.56	2.70
Price, 4 " for iron pipe	2.53	2.93	3.10	3.27	3.45

Extra Heavy Weight

Length, inches	4	5	6	8	10
Price, 1 1/4" for iron pipe	.41	.45	.48	.56	.64
Price, 1 1/2" for iron pipe	.51	.56	.60	.71	.82
Price, 2 " for iron pipe	.79	.85	.90	1.04	1.18
Price, 4 " for iron pipe	1.70	1.95	2.15	2.35	2.55
Length, inches	12	14	16	18	20
Price, 1 1/4" for iron pipe	.71	.79	.86	.93	1.00
Price, 1 1/2" for iron pipe	.92	1.04	1.14	1.24	1.34
Price, 2 " for iron pipe	1.31	1.47	1.60	1.72	1.85
Price, 4 " for iron pipe	2.75	3.15	3.35	3.55	3.75

LEAD GOODS



D 1647

MCAULIFFE NON-SYPHON LEAD "S" TRAPS

Price, each, "S" Trap	3.25
Price, each, "P" Trap	3.50

These traps have heavy seamless drawn brass inner tube, seamless brass dome, lead body and brass outlet connections.



D1648

CUDELL LEAD TRAPS

Size, inlet, inches	1	1 1/4	1 1/4	1 1/2	1 1/2
Size, outlet, inches	1 1/4	1 1/4	1 1/2	1 1/2	2
Price "S" or 1/2 "S"	2.00	2.00	2.50	2.50	2.70



D1649

CLEAN SWEEP LEAD "S" TRAP

	Without Vent			With Vent		
Size, inches	1 1/4	1 1/2	2	1 1/4	1 1/2	2
Price, each	1.20	1.55	2.30	1.80	2.35	3.00



D1650

YOUNGSTOWN PATTERN CLEAN SWEEP LEAD "S" TRAP

Standard weight Extra heavy weight

28 inches overall,		
Price, each	4.00	4.50



D1651

FIVE ROOF FLANGES

Size 1 1/2" fits 1 1/4" and 1" W. I. pipe,	
List price per doz., lead, galv. and copper.....	30.00
Size 2" fits Std., Ex. Heavy and 1 1/2" W. I. pipe,	
List price per doz., lead, galv. and copper.....	34.00
Size 3" fits Std., Ex. Heavy and 2 1/2" W. I. pipe,	
List price per doz., lead, galv. and copper.....	38.00
Size 4" fits Std., Ex. Heavy and 3 1/2" W. I. pipe,	
List price per doz., lead, galv. and copper.....	40.00
Size 5" fits Std., Ex. Heavy and 4 1/2" W. I. pipe,	
List price per doz., lead, galv. and copper.....	57.00
Size 6" fits Std., Ex. Heavy and 6" W. I. pipe,	
List price per doz., lead, galv. and copper.....	100.00

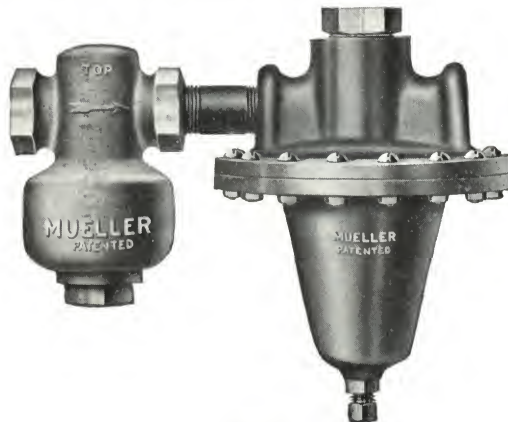
WATER PRESSURE REGULATORS



D1652

"CASH" WATER PRESSURE REGULATOR

Size, inches	1/4	3/8	1/2	3/4	1
Price, each	10.90	11.70	13.25	15.45	23.35



D1653

"MUELLER" WATER PRESSURE REGULATOR

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, each	10.00	10.75	17.30	28.50	39.20	56.90

MODERN HYDRANTS



D1654

McNAMARA HYDRANT

Size, inches	¾	¾	¾	¾
To set in ground, feet	3	4	5	6
Price, each	5.40	5.80	6.30	6.90



D1655

McNAMARA STREET WASHERS

Size, inches	¾	1	¾	1
To set in ground, feet	3	3	4	4
Price, each	3.90	6.00	4.30	6.50
Size, inches	¾	1	¾	1
To set in ground, feet	5	5	6	6
Price, each	4.70	7.00	5.25	7.50



D1656

TOTAL ECLIPSE HYDRANTS Self-Closing

To set in ground, feet..	1½	2	3	4
Price, ¾" opening	10.80	11.10	11.60	12.00
Price, 1" opening	13.70	14.50	15.30	15.75
To set in ground, feet..	5	6	8	10
Price, ¾" opening	12.50	13.10	14.50	17.00
Price, 1" opening	16.30	17.00	19.50	22.00



D1657

"M" HYDRANTS

To set in ground, feet..	1½	2	2½	3
Price, ¾" opening	9.00	10.00	10.00	10.00
Price, 1" opening	11.50	12.50	12.50	12.50
To set in ground, feet..	3½	4	5	6
Price, ¾" opening	11.00	11.00	12.00	13.00
Price, 1" opening	13.50	13.50	14.50	15.50



D1658

"M" EXTRA LARGE HYDRANT Compression

To set in ground, feet	2	3	4
Price, 2" waterway	45.00	48.00	51.00
To set in ground, feet	5	6	
Price, 2" waterway	54.00	57.00	

FOOT VALVES AND STRAINERS



D1659

FOOT VALVES, IRON BODY WITH STRAINER

Size, inches	¾	1	1¼	1½	2	2½
Price, black	1.15	1.30	1.40	1.90	2.40	3.30
Price, galv.	1.75	2.00	2.10	2.85	3.60	5.00
Size, inches	3	3½	4	4½	5	6
Price, black	3.90	5.60	7.30	10.50	11.25	14.75
Price, galv.	5.75	8.50	11.00	15.75	16.75	22.00
Size, inches	7	8	10	12		
Price, black	35.00	41.00	64.00	100.00		

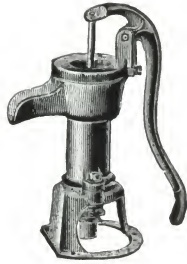


D1660

CAST IRON STRAINERS

Size, inches	1	1¼	1½	2	2½	3
Price, black, each	.40	.50	.75	1.00	1.50	2.00
Price, galv., each	.50	.75	1.00	1.50	2.00	3.00
Size, inches	3½	4	4½	5	6	8
Price, black, each	3.00	3.75	4.50	4.75	6.50	15.00
Price, galv., each	4.50	6.00	6.50	7.00	10.00	22.00

MODERN PUMPS, ETC.



D1661

PITCHER SPOUT PUMPS

No.	Cylinder, inches	Suction, inches	Stroke, inches	Iron Cylinder	Porcelain Cylinder	Brass-lined Cylinder	Brass Cylinder
1	2 1/2	1	4	4.25	6.50	6.50	6.50
2	3	1 1/4	4	4.75	7.25	7.25	7.25
3	3 1/2	1 1/4	4	5.25	8.00	8.00	8.00
4	4	1 1/2	4 1/2	6.25	9.00	9.00	9.00
5	4 1/2	2	5	9.50	12.50	12.50	



D1662



D1663

FORCE PUMPS

This pump has a full 6-inch stroke and 3-inch brass cylinder, brass piston rod and oval brass valve seat. It is fitted with new compression spout and is tapped back of the spout for 1-inch pipe connection. Suction is regularly fitted for 1 1/4-inch iron pipe, but can be fitted for lead pipe if desired, at a small extra charge.

Price, with compression cock spout, each	10.00
Price, without spout, discharge tapped for 3/4" brass bibb, each	8.50

D1663

LIFT PUMP

This pump is designed for use with roll or flat rim sinks and is a neat and desirable kitchen pump. It is supported by a wall bracket and is just the right distance from the wall to discharge into a vessel placed in the end of the sink. The spout and handle revolve independent of each other, and may be placed in any position most convenient.

Diameter of cylinder, inches	2 1/2
Stroke, inches	5
Price, each	8.00



D1664

ANTI-FREEZING "PNEUMATIC" DOUBLE-ACTING FORCE PUMP With Ratchet Head and Air Cylinder

This pump is especially designed for use in connection with compressed air water systems. The special ratchet head is very powerful and will easily produce a pressure of 100 pounds to the square inch, which is more than is ever necessary.

Size	Diameter of Cylinder, inches	Stroke, inches	Suction, fitted for pipe, inches	Discharge, fitted for pipe, inches	PRICE, EACH	
					Iron Cylinder	Brass-lined Cylinder
4	3	4 1/2	1 1/4	1 1/4	16.00	18.00

Above pump can also be furnished with 2 1/2-inch cylinder at same price when specified.



D1665

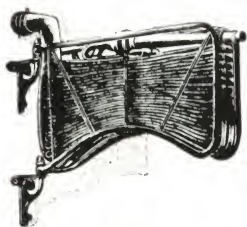
NIAGARA AND AMERICAN WATER METERS

Size of Meter	Greatest Proper Capacity U. S. Gals. per Minute	Niagara Meter only with all Galv. Iron Outside Case	American Meter only with Bronze Main Case and Galv. Iron Base	American Meter only All Bronze Outside Case	Brass Couplings per Pair Extra	Approx. Weight Meter and Couplings Boxed, Lbs.
5/8 x 1/2 inch	20	16.00	18.00	20.00	1.00†	14
5/8 x 3/4 inch	20	16.00	18.00	20.00	1.50†	14
3/4 inch	34	24.00	27.00	30.00	1.50†	20
1 inch	53	35.20	39.60	44.00	2.20†	30
1 1/4 inch	75	48.00	54.00	60.00	3.00	40
1 1/2 inch	100	64.00	72.00	80.00*	4.00	60
2 inch	160	96.00	108.00	120.00*	6.00	100
2 1/2 inch	240	140.00	157.50	175.00	8.75	150
3 inch	315	192.00	216.00	240.00	Flanges Free	200

*1 1/2" and 2" all-bronze case meters may be furnished with internal standard pipe threads when specially ordered.

†In these sizes quarter bent couplings may be furnished at the following prices per pair: 1/2" 1.50, 3/4" 2.00, 1" 3.00.

MODERN HOSE RACKS, VALVES, ETC.



D1666



D1667

D1666—ANGLE IRON SWINGING HOSE RACK—Style "U"

Number	Size Hose	Capacity Unlined Linen	Capacity Cotton Mill Hose	Price
70	1 1/4 or 1 1/2	50		5.00
71	2	50		5.00
72	2 1/2	50		5.00
70-75	1 1/4 or 1 1/2	75		5.50
71-75	2	75		5.50
72-75	2 1/2	75		5.50
73	1 1/4 or 1 1/2	100	25	6.00
74	2	100	25	6.00
75	2 1/2	100	25	6.00
76	1 1/4 or 1 1/2	150	50	7.00
77	2	150	50	7.00
78	2 1/2	150	50	7.00
79	1 1/4 or 1 1/2	200	100	7.50
80	2	200	100	7.50
81	2 1/2	200	100	8.00

List prices include either wall brackets or pipe clamps, the latter not in excess of 4-inch; 5-inch, .35; 6-inch, .50; 7-inch, .65; 8-inch, .75 per pair net extra.

D1667—ANGLE IRON SWINGING HOSE RACK—Style "V"

Number	Size Hose	Capacity Unlined Linen	Capacity Cotton Mill Hose	Price
0	1 1/4 or 1 1/2	50		6.00
00	2	50		6.00
000	2 1/2	50		6.00
0 1/2	1 1/4 or 1 1/2	75		6.00
00 1/2	2	75		6.00
000 1/2	2 1/2	75		6.00
1	1 1/4 or 1 1/2	100		6.00
2 1/2	2	100		6.00
3 1/2	2 1/2	100		6.00
2	1 1/4 or 1 1/2	150	50	6.00
3	2	150	50	6.00
4	2 1/2	150	50	6.50
5 1/2	1 1/4 or 1 1/2	200		7.00
6 1/2	2	200		7.50
7 1/2	2 1/2	200		8.00
5	1 1/4 or 1 1/2	300	100	7.50
6	2	300	100	8.00
7	2 1/2	300	100	8.50
8	2 1/2	400	150	11.50
9	2 1/2	600	200	15.00

Note—Nos. 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8 and 9 are made for two tiers of hose.

List prices include either wall brackets or pipe clamps, the latter not in excess of 4-inch; 5-inch clamps, .35; 6-inch, .50; 7-inch, .65; and 8-inch, .75 per pair net extra.



D1668

FIRE EXTINGUISHERS

List price, red enamel finish	15.00
List price, Copper finish	15.00
List price, nickel finish	17.00



D1669



D1670

D1669—STANDARD BRASS HOSE VALVE

With Iron Handle, Loose Swivel and Leather Disc

Size, inches	1	1 1/4	1 1/2	2	2 1/2
Price, rough body, plain	3.15	3.70	4.75	7.00	8.50
Price, rough body, plated all over	3.65	4.30	5.50	8.00	9.75

D1670—STANDARD BRASS HOSE GATE VALVE
With Iron Wheel

Size, inches	1	1 1/4	1 1/2	2	2 1/2
Price, rough body, plain, with brass cap and chain	5.10	6.70	8.85	12.60	20.00
Price, rough body, plain, with- out cap and chain	3.35	4.70	6.25	9.00	15.00

HOSE PIPES

Plain

Screw Tip



D1671



D1672

HOSE PIPE—Plain

Size, inches	3/4	3/4	3/4	1
Length, inches	3	4	6	4
Price, hose thread, per doz.	4.00	5.00	7.00	5.00
Price, pipe thread, per doz.	5.00	6.00	8.00	6.25
Size, inches	1	1 1/4	1 1/4	1 1/2
Length, inches	8	4 3/4	12	5 3/4
Price, hose thread, per doz.	9.00	12.00	18.00	18.00
Price, pipe thread, per doz.	10.00	13.75	19.75	19.75
Size, inches	1 1/2	2	2	2 1/2
Length, inches	12	6 3/4	12	7 1/2
Price, hose thread, per doz.	22.00	26.00	34.00	37.40
Price, pipe thread, per doz.	24.00	29.00	39.00	39.50
Size, inches	2 1/2	2 1/2	2 1/2	
Length, inches	12	15	20	
Price, hose thread, per doz.	55.00	65.00	90.00	
Price, pipe thread, per doz.	60.00	68.00	92.00	

HOSE PIPE—Screw Tip

Size, inches	3/4	3/4	1	1
Length, inches	7 1/2	12	8 1/2	12 1/2
Price, hose thread, per doz.	8.00	10.00	10.00	12.00
Price, pipe thread, per doz.	9.20	11.20	11.20	13.20
Size, inches	1 1/4	1 1/4	1 1/2	1 1/2
Length, inches	12	15	13	15
Price, hose thread, per doz.	20.00	24.00	25.00	30.00
Price, pipe thread, per doz.	21.20	25.00	27.50	32.50
Size, inches	2	2	2	2 1/2
Length, inches	12	15	20	15
Price, hose thread, per doz.	38.00	45.00	50.00	75.00
Price, pipe thread, per doz.	41.00	48.00	53.00	78.50
Size, inches	2 1/2	2 1/2	2 1/2	2 1/2
Length, inches	20	24	30	36
Price, hose thread, per doz.	96.00	100.00	144.00	157.00
Price, pipe thread, per doz.	99.50	103.50	150.00	163.00

NOTE—Unless otherwise specified, all Hose Valves, Hose Pipes and Hose Couplings will be furnished with standard iron pipe thread.



D1673

BLACK RUBBER SHEET PACKING

Made 1/32, 1/16, 3/32, 1/8, 5/16 and 1/4" thick.

Price, per pound	1.00
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GAS FIXTURE FITTINGS



D1674

STIFF BRACKET

Size, inches	6	8
Price, each	.50	.60



D1675

STIFF CURVE BRACKET

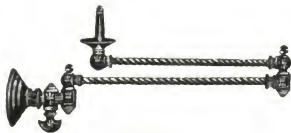
Price, each	.60
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D1676

SINGLE SWING BRACKET

Price, each	.75
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D1677

DOUBLE SWING BRACKET

Price, each	1.50
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D1678

THREE-SWING BRACKET

Price, each	1.75
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D1679

"L" BURNER COCKS

Size, inches	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per dozen	5.20	4.55	4.25



D1680

PILLAR COCKS

Size, inches	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per dozen, male	5.55	5.20	4.90
Price, per dozen, female	4.55	4.20	3.90



D1681

TWO-LIGHT PENDANT COCKS

Size, inches	$\frac{3}{8} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$
Price, per dozen	10.50	9.10	9.10
Size, inches	$\frac{1}{4} \times \frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	
Price, per dozen	9.50	8.45	



D1682

ONE-LIGHT PENDANT COCKS

Size, inches	$\frac{3}{8} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$
Price, per dozen	5.85	5.20	5.20
Size, inches	$\frac{1}{4} \times \frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	
Price, per dozen	5.20	4.90	



D1683

MALE HOSE COCKS

Size, inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per doz.	6.55	5.90	5.55	5.25



D1684

FEMALE HOSE COCKS

Size, inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per doz.	5.55	4.90	4.55	4.25



D1685

MALE HOSE ENDS

Size, inches	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per doz.	3.55	3.25	2.90



D1686

FEMALE HOSE ENDS

Size, inches	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per dozen	3.25	2.95	2.60



D1687

INDEPENDENT HOSE COCKS, REGULAR

Size, inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, per doz.	9.00	7.00	7.00	7.00



D1688

LAVA TIPS

Price, per gross	2.00
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D1689

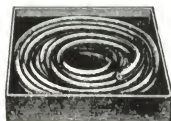
BRASS PILLARS

Price, per dozen	2.00
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GAS HOSE, VALVES, ETC.



D1690



D1691

D1690

GAS STOVE TUBING

50 ft. lengths. Price, per ft.	.09
Rubber ends. Price, each	.06
2 ft. piece with rubber ends. Price, each	.40
3 ft. piece with rubber ends. Price, each	.50
4 ft. piece with rubber ends. Price, each	.60
5 ft. piece with rubber ends. Price, each	.70
6 ft. or longer pieces with rubber ends. Price, per ft.	.14

D1691

RUBBER GAS TUBING

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, per ft.	.15	.20



D1692

STERLING PATENTED GAS VALVE

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, each		



D1693

LOCK SHIELD BRASS GLOBE VALVES

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, each	1.20	1.45



D1694

LOCK SHIELD BRASS ANGLE VALVES

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, each	1.20	1.45



D1695

FLAT HEAD OR SQUARE HEAD GAS SERVICE COCK

Size, inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price, each	.90	1.00	1.10	1.30
Size, inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, each	2.10	3.25	4.60	8.00



D1696

KEYS FOR LOCK SHIELD VALVES

Size, inches	$\frac{1}{2}$ or $\frac{3}{8}$
Price, each	.15



D1697

BRASS KEYS

Size, inches	$\frac{1}{4}$	$\frac{1}{2}$
3" long		
Price, each	.30	.30
6" long		
Price, each	.40	.50



D1698

ADJUSTABLE EXTENSION ROD

Extension.....	6 to 9	9 to 12	12 to 15
Price	.35	.40	.45
Extension.....	15 to 18	18 to 21	21 to 24
Price	.55	.65	.75



D1699

BRASS FLOOR PLATES

Price, finished	.20
Price, nickel-plated	.30



D1700

FRANKLIN VALVE AND MIXER

	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"
	Shell	Shell	Shell
Price, finished	.40	.40	.40
Price, nickel-plated	.40	.40	.40



D1701

PLAIN LOOSE PIN GAS MIXER

Price, 1x $\frac{3}{8}$ or $\frac{1}{2}$ "—		
Rough	Finished	Nickel-plated
.35	.40	.50
Price, 1 $\frac{1}{4}$ x $\frac{3}{8}$ or $\frac{1}{2}$ "—		
Rough	Finished	Nickel-plated
.45	.50	.60

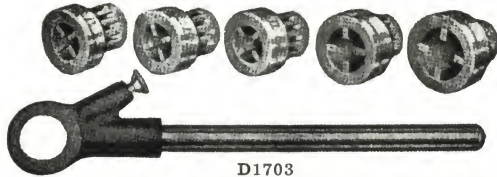


D1702

BRASS SOCKET FOR EXTENSION RODS

Price, with $\frac{1}{4}$ " or $\frac{1}{2}$ " square hole	.15
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MODERN PLUMBERS TOOLS



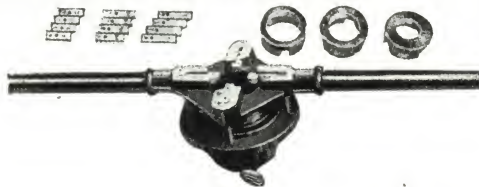
D1703

TOLEDO NO. 00 RATCHET STOCKS AND DIES
Capacity $\frac{1}{8}$ " to $\frac{3}{4}$ " pipe inclusive.

List price, complete 19.00

List Prices No. 00 Parts

$\frac{1}{8}$ " Die-head, complete with dies	3.00
$\frac{1}{4}$ " Die-head, complete with dies	3.00
$\frac{3}{8}$ " Die-head, complete with dies	3.00
$\frac{1}{2}$ " Die-head, complete with dies	3.50
$\frac{3}{4}$ " Die-head, complete with dies	3.50
Dies only, each size (four segments)	2.00



D1704

TOLEDO NO. 1 ADJUSTABLE STOCKS AND DIES
Capacity 1" to 2" pipe inclusive.

List price, complete 24.00

List Prices

Extra dies, 1 single set—1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " or 2"	2.50
Complete set—1" to 2"	10.00



D1705

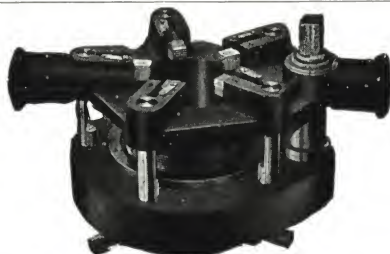
TOLEDO NO. 1A ADJUSTABLE RATCHET STOCKS AND DIES

Capacity 1" to 2" pipe inclusive.

List price, complete 30.00

List Prices

Extra dies, 1 single set—1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " or 2"	2.50
Complete set—1" to 2"	10.00



D1706

TOLEDO NO. 2 ADJUSTABLE STOCKS AND DIES
Capacity 2 $\frac{1}{2}$ " to 4" pipe inclusive.

List price, complete	100.00
Extra dies, 1 single set of 2 $\frac{1}{2}$ ", 3", 3 $\frac{1}{2}$ " or 4", each	8.00
Complete set—2 $\frac{1}{2}$ " to 4"	32.00



D1707



D1708

D1707—D1708

ARMSTRONG ADJUSTABLE STOCKS AND DIES

Size	Price
No. 1 Stock, 4 right-hand pipe dies, $\frac{1}{8}$ " to $\frac{1}{2}$ "	9.00
No. 1 Stock, 4 each right and left pipe dies, $\frac{1}{8}$ " to $\frac{1}{2}$ "	14.00
No. 2 Stock, 5 right-hand pipe dies, $\frac{1}{4}$ " to 1"	12.00
No. 2 Stock, 6 right-hand pipe dies, $\frac{1}{8}$ " to 1"	14.00
No. 2 Stock, 5 pipe dies, right and left, $\frac{1}{4}$ " to 1"	20.00
No. 2 Stock, 6 pipe dies, right and left, $\frac{1}{8}$ " to 1"	22.00
No. 2 $\frac{1}{2}$ Stock, 4 dies (double ended), $\frac{1}{2}$ x $\frac{3}{4}$ " and 1 x 1 $\frac{1}{4}$ ", right-hand	14.00
No. 2 $\frac{1}{2}$ Stock and dies, $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ x $\frac{3}{4}$ ", 1 x 1 $\frac{1}{4}$ ", right-hand	20.00
No. 2 $\frac{1}{2}$ Stock and dies, cutting right and left, $\frac{1}{2}$ " to 1 $\frac{1}{4}$ "	21.00
No. 2 $\frac{1}{2}$ Stock and dies, $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", right and left	27.00
No. 3 Stock, 3 sizes pipe dies, 1 $\frac{1}{4}$ " to 2", right	18.00
No. 3 Stock, 3 sizes pipe dies, 1 $\frac{1}{4}$ " to 2", right and left	30.00

Extra Dies

No. 1 For pipe $\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{3}{8}$ " or $\frac{1}{2}$ ", either right or left, each	1.60
No. 2 For pipe $\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " or 1", either right or left, each	2.00
No. 2 $\frac{1}{2}$ For pipe, double ends, $\frac{1}{2}$ x $\frac{3}{4}$ " or 1 x 1 $\frac{1}{4}$ ", either right or left, each	3.50
No. 2 $\frac{1}{2}$ For pipe, single end, $\frac{1}{4}$ " or $\frac{3}{8}$ "	2.50
No. 3 For pipe $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " or 2", right or left	4.50

Prices for dies are for set of two pieces.

	Bushings	Collar Screws	Adjusting Screws	Thumb Screws	Wrenches
No. 1	.30	.25	.20	.20	.20
No. 2	.40	.30	.25	.30	.25
No. 2 $\frac{1}{2}$	.60	.35	.35	.30	.25
No. 3	.75	.50	.40	.50	.30



D1709

DOUBLE STOCK

With $\frac{3}{8}$ " and $\frac{1}{8}$ " Dies

For threading pump rod, etc.

Price, complete with dies	3.00
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PLUMBERS TOOLS



D1710

BEAVER SQUARE END PIPE CUTTER

	List Price
No. 1 Cuts $\frac{1}{8}$ " to 1" pipe	18.00
No. 5 Cuts $\frac{1}{2}$ " to 2" pipe	20.00

EXTRA PARTS

	Set of Knives	Springs, per set
No. 1	1.20	.25
No. 5	1.50	.25



D1711

VULCAN CHAIN PIPE TONGS

With Flat Link Chain or Cable Chain

No.	30	31	32	33
Takes pipe	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{3}{4}$ to 4
Price, with link chain....	2.50	3.50	5.00	7.00
Extra chains	.75	1.00	1.50	2.50
Extra jaws, per pair	1.00	1.75	2.75	4.00
No.	33 $\frac{1}{2}$	34	35	
Takes pipe	1 to 6	$1\frac{1}{2}$ to 8	2 to 12	
Price, with link chain....	9.00	11.00	18.00	
Extra chains	3.50	4.50	7.50	
Extra jaws, per pair	4.75	5.50	7.50	

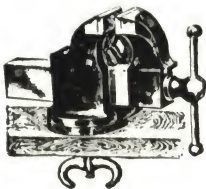


D1712

GEALY CHAIN PIPE TONGS

With Flat Link Chain

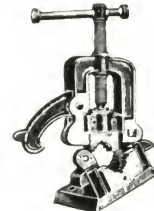
No.	00	0	1	2	3
Takes pipe	$\frac{1}{2}$ to 2	1 to 4	2 to 5	$2\frac{1}{2}$ to 8	3 to 12
Price	3.00	4.50	8.00	16.00	30.00
Extra chain	.80	1.50	2.75	4.25	9.00
Extra jaws, per pair	1.25	2.00	4.00	7.00	10.00
Extra jaw bolt	.20	.22	.25	.30	.30
Extra handle bolt	.20	.25	.30	.35	.40



D1713

COMBINATION PIPE VISE

No.	1	2	3	4
Holds pipe from, inches	$\frac{1}{8}$ to $2\frac{1}{2}$	$\frac{1}{4}$ to $3\frac{1}{2}$	$\frac{1}{8}$ to $4\frac{1}{2}$	$\frac{1}{4}$ to 6
Price	16.00	22.00	32.00	45.00



D1714

HINGED SELF-LOCKING PIPE VISE

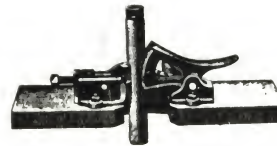
Holds pipe, inches	List Price
$\frac{1}{8}$ to $1\frac{1}{4}$	2.50
$\frac{1}{4}$ to $1\frac{1}{2}$	3.60
$\frac{1}{4}$ to 2	4.25
$\frac{1}{4}$ to $2\frac{1}{2}$	5.00
$\frac{1}{8}$ to $3\frac{1}{2}$	7.50
$\frac{1}{8}$ to $4\frac{1}{2}$	11.00



D1715

PLATE PIPE VISE

Holds pipe, inches	List Price
$\frac{1}{8}$ to 2, price, each	8.00



D1716

LITTLE GIANT PIPE HOLDER

Holds pipe, inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Price, each	10.00	10.00	10.00

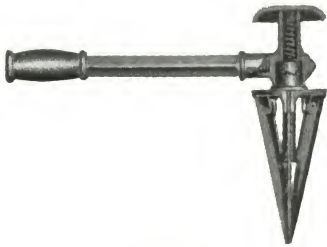


D1717

VULCAN PATENT DROP FORGED CHAIN PIPE VISE

No.	Holds pipe from, inches	Complete Vise	Jaws, pair	Chain and Screw	Handle and Nut	Nut	Washer
1	$\frac{1}{8}$ to 2	3.50	1.20	1.10	.75	.45	.15
2	$\frac{1}{4}$ to 4	6.50	2.75	1.75	1.50	.90	.25
4	$\frac{3}{4}$ to 8	18.00	7.50	4.75	2.00	1.20	.45

PLUMBERS TOOLS



D1718
MUELLER PIPE REAMERS

	Price
Small pattern, reams pipe $\frac{3}{8}$ " to $1\frac{1}{4}$ "	5.00
Large ratchet pattern, reams pipe $\frac{3}{8}$ " to 3"	7.50
Large pattern without ratchet, $\frac{3}{8}$ " to 3"	5.40



D1719



D1720

PIPE TAPS AND REAMERS

Size, inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price, Taps or Reamers	1.12	1.25	1.50	1.87	2.50	3.12	3.75
Size, inches	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	
Price, Taps or Reamers	4.62	6.25	10.50	15.00	22.00	33.00	



D1721

PIPE BURRING REAMERS

Sizes of pipe will ream, inches	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{3}{8}$ to 2
Price, each	1.50	3.00
Price, handle for same, each	.75	.75



D1722

COMBINATION SHELL DRILLS COMPLETE

Size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price, complete, with one shell	2.00	2.00	2.00	2.25	3.25
Size, inches	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	
Price, complete, with one shell	3.75	4.75	5.75	6.75	



D1723

BIBB SEAT DRESSERS

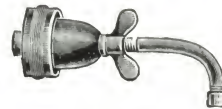
Price	5.00
Extra cutters, $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ "	1.00



D1724

ASBESTOS JOINT RUNNERS

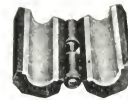
No.	1	2	3	4	5
Size, inches	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	1	$1\frac{1}{4}$
For pipe, in.	2, 3, 4	4, 5, 6	6, 8, 10	10, 12, 14	16, 18, 20
Price, each	2.70	3.00	5.10	6.00	12.00



D1725

CLIMAX SOIL PIPE TEST PLUGS

Size	2	3	4	5	6	7	8	10
Price, each	1.00	1.25	1.50	2.00	2.50	3.50	4.50	8.00
Extra rubbers, each	.25	.50	.70	.90	1.20	2.00	3.25	5.90



D1726

LOCKHART BRASS PIPE CLAMP

Pipe size, inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, each	1.50	1.50	1.50	2.00	3.00	3.00	3.00



D1727



D1728

PLUMBERS FRIEND

Size, inches	4	6
Price, per dozen	9.00	13.50

FORCE CUP

No.	1	2	3
Price, each	.50	.75	1.00



D1729

COMPASS SAWS

Size, 10", 12", 14", price, each	.75
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D1730

EXTENSION HACK SAWS

Price, adjustable from 8" to 12"	1.50
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D1731

HACK SAW BLADES

Size, inches	8	10	12
Price, per gross	8.00	10.00	12.00



D1732



D1733

WRIGLEY CLOSET AUGERS

Price, each, 3 ft.	5.00
Price, each, 6 ft.	6.00

WRIGLEY REEL AUGER FOR CLOSETS OR SINKS

Price, each, 9 ft.	
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PLUMBERS TOOLS



D1734

BARNES PIPE CUTTERS

No.	1	2	3
Cuts pipe, inches	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to 2	$1\frac{1}{2}$ to 3
Price	4.50	6.00	10.00
Extra wheels	.25	.30	.40
Extra wheel pins, per dozen	1.00	1.00	1.00



D1735

SAUNDERS PIPE CUTTERS

No.	1	2	3
Cuts pipe, inches	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to 2	2 to 3
Price	3.00	4.50	11.00
Extra wheels	.24	.32	.60
Extra block and wheel	1.25	1.75	2.75
Extra rollers	.24	.32	.50
Extra pins	.10	.10	.15



D1736

TRIMO PIPE CUTTERS

No.	1	2	3
Cuts pipe, inches	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{1}{2}$ to 2	$1\frac{1}{4}$ to 3
Price	4.50	6.00	10.00
Extra wheels	.40	.40	.50
Extra rollers	.30	.30	.40



D1737

STILLSON WRENCHES

Size, inches	6	8	10	14	18	24	36	48
Price	2.00	2.25	2.50	3.50	5.00	7.25	13.50	20.00
Jaws	.75	.80	.85	1.15	1.75	2.25	4.35	7.50
Frames	.38	.42	.50	.60	.75	.95	1.70	2.20
Wood handles	.16	.16	.18	.25	.28			
Steel handles				2.25	3.50	7.00	10.50	
Nuts	.12	.15	.20	.30	.35	.55	1.10	1.50
Springs	.10	.10	.10	.10	.10	.11	.13	.13



D1738

TRIMO PIPE WRENCHES

Size, inches	6	8	10	14	18	24	36	48
Price	2.00	2.25	2.50	3.50	5.00	7.25	13.50	20.00
Movable jaw	.75	.80	.85	1.15	1.75	2.25	4.35	7.50
Nut	.12	.15	.20	.30	.35	.55	1.10	1.50
Inserted jaw	.35	.40	.50	.60	.70	.80	1.10	2.00
Frame	.38	.42	.50	.60	.75	.95	1.70	2.20
Springs	.03	.03	.03	.03	.04	.04	.04	.04
Frame pins	.03	.03	.04	.04	.04	.04	.05	.05
Jaw pins	.03	.03	.04	.04	.04	.04	.05	.05
Steel handles	.95	1.00	1.10	1.50	2.25	3.50	7.00	10.50
Wood handles	.16	.16	.18	.25				
Nut guards	.15	.15	.20	.30	.35	.45	.55	.65



D1739

MONKEY WRENCHES

Size, inches	6	8	10	12	15	18	21
Open, inches	$\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{3}{4}$	3	$4\frac{1}{8}$
Price, per dozen	15.00	18.00	22.00	28.00	38.00	48.00	58.00



D1740

COMBINATION PIPE AND NUT WRENCH

Size, inches	8	10	12	15	18
Adjustable from, inches	$\frac{1}{4}$ to $\frac{3}{4}$	$\frac{1}{4}$ to 1	$\frac{1}{2}$ to $1\frac{3}{4}$	$\frac{1}{2}$ to $2\frac{1}{4}$	$\frac{1}{2}$ to 3
Price, per dozen	27.00	30.00	36.00	48.00	87.00



D1741

ADJUSTABLE NUT WRENCH

Size, inches	6	8	10	12	14
Open, inches	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{2}$	2
Price, per dozen	8.00	10.00	12.00	18.00	24.00



D1742

BROWN'S ADJUSTABLE TONGS

No.	1	$1\frac{1}{2}$	2	3
Takes pipe, inches	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{3}{8}$ to 1	$\frac{1}{2}$ to $1\frac{1}{4}$	1 to 2
Price, each	1.20	1.50	1.70	2.40
No.	4	5	6	7
Takes pipe, inches	$1\frac{1}{2}$ to 3	$2\frac{1}{2}$ to 4	3 to 5	4 to 7
Price, each	5.40	12.00	20.00	22.00



D1743

COMBINATION PLIERS

Size, inches	6	8	10
Black, per dozen	13.50	16.00	18.00
Nickel-plated, per dozen	15.00	18.00	21.00



D1744

GAS PLIERS

Size, inches	6	8	10	12	14
Price, per dozen	6.50	8.25	10.70	13.00	17.00

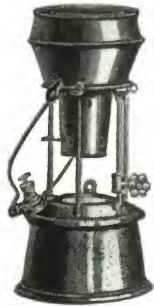


D1745

WARNOCK STRAP WRENCHES

Length, inches	12	18
Takes pipe, inches	$\frac{1}{4}$ to 2	1 to 5
Price, complete	1.50	2.50
Price, extra straps	.25	.50

PLUMBERS TOOLS



D1746



D1747

D1746—NO. 20 PLUMBERS FIREPOT
With Galvanized Tank and Pump

List price 16.60

D1747—NO. 10 PLUMBERS FIREPOT
With Galvanized Tank and Rubber Bulb

List price 15.00

REPAIRS FOR FIREPOTS NO. 10 AND NO. 20

	Price		Price
Reservoir	7.00	Mall. Ell or Tee	.25
No. 1 Large Shield	2.00	Brass Ell	.35
No. 2 Small Shield	2.00	Tee	.50
No. 3 Shield	4.00	Plug	.20
Coil Cup	1.00	Nuts, No. 10r2	.08
Top Plate	.80	Upright	.30
Handle	1.00	Connecting Pipe	.30
Valve	1.50	Wire for Coil	.20
Air Valve	1.00	Burner	.35
Handle Ear	.30	Bulb	1.00
Filler Plug	.80	Brass Pump for No. 20	2.60
Coil	1.50		



D1748



D1749



D1750

D1748—NO. 1 TINNERS FIREPOT

List price 24.80

D1749—NO. 19 TORCH
List price, pint size 13.60

NO. 32 TORCH
List price, quart size 16.00

D1750
Price, Tin Torches, each75
Price, Brass Torches, each 1.50



D1751



D1752

D1751—LADLES

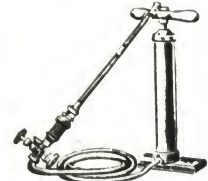
Size, inches	2 1/2	3	4	5	6
Price, per doz.	3.75	4.65	6.50	8.75	10.00
Size, inches	7	8	9	10	
Price, per doz.	22.00	28.00	45.00	54.00	

D1752—SOLDER POTS

Size, inches	5	6	7	8	13 1/2
Price, each	.50	.65	.80	1.10	3.50



D1753



D1754

D-1753—GAS PROVING PUMP WITH BRASS CASE
SPRING GAUGE

Price 30.00

D1754—GAS PROVING PUMP WITH MERCURY GAUGE
Price 25.00



D1755

PLUMBERS FORCE PUMP

Price 10.00



D1756

PLUMBERS TOOL BAG

	Plain	Leather Bottom	Leather Sides and Bottom	All Leather
Price, each	3.75	5.00	5.50	8.00



D1757

RAINBOW RUBBER SHEET PACKING

Thickness, inches	3/32	1/8	3/16	1/4	5/16	3/4
Price, per pound	1.00	1.00	1.00	1.00	1.00	1.00

PLUMBERS TOOLS



D1758
NO. 1 BENDING PIN

Price, each50



D1759
SPRING PACKING CHISEL

Price, each50



D1760
REGULAR CALKING CHISEL

Price, each50



D1761
YARNING CHISEL

Price, each50



D1762
LEFT-HAND CALKING CHISEL

Price, each50

RIGHT-HAND CALKING CHISEL

Price, each50



D1763
COLD CHISELS

Price, per pound, 1/2" to 1"75



D1764
BLOW PIPE

Price, each, 8", 9" and 12"30



D1765
HALF ROUND RASPS

Size, inches	10	12	14
Price, each	1.15	1.60	2.15



D1766
BENDING SPRINGS

Size, inches ..	3/4	1	1 1/4	1 1/2	2
Price, each	.90	1.00	1.25	1.50	2.00



D1767
COPPER SOLDERING IRONS

1 1/2 pounds to pair.

Price, per pound65



D1768
BOXWOOD DRESSER

Price, each 1.00



D1769
DRIFT PLUGS

Price, each, 1/2", 3/4", 1", 1 1/4",
1 1/2", 2"15



D1770
TURN PINS

Price, each, No. 1, 2 and 330



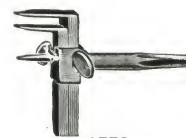
D1771
TAP BORERS

Price, each40



D1772
SHAVE HOOK

Price, each35



D1773
NO. 1 WASHER CUTTER

Price, each 1.00



D1774
WIPING CLOTH

Price, each, Moleskin25
Price, each, Ticking15



D1775
GREASE, ROSIN AND FLOUR
BOXES

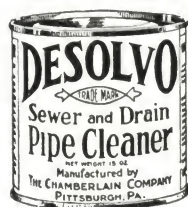
Price, each 1.50



D1776
PLUMBERS CANDLES

Price, per pound35

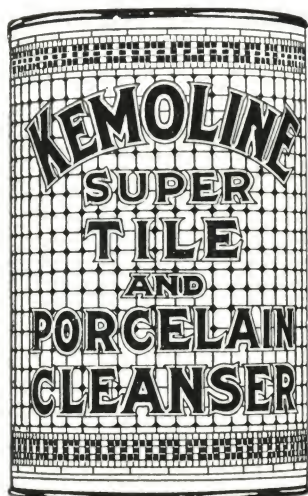
CLEANERS, CEMENTS, ETC.



D1777

DESOLVO SEWER AND DRAIN PIPE CLEANER

Price, per dozen cans



D1778

KEMOLINE TILE AND PORCELAIN CLEANSER

Price, per dozen cans



D1779

SMOOTH-ON CEMENTS

	Size Cans	Price per Lb.
No. 1 and 2, blue label, engineers powdered iron cement	1, 5, 10 and 25-lb. tins	.....
No. 3, gray label, engineers elastic cement	1, 5, 10 and 25-lb. tins	.....
No. 4, yellow label, foundry cement, for castings	5, 10 and 25-lb. tins	.....
No. 5, red label, plumbers cement, for joints	1, 5, 10 and 25-lb. tins	.....
No. 6, white label, bridge and ship work, rivet iron cement	10-lb. cans	.....



D1780

SANI-FLUSH CLOSET BOWL CLEANSER

Price, per dozen cans



D1781

"X" BOILER LIQUID

Price, one-quart can

Price, two-quart can



D1782

"TASGON" FOR LOOSENING RUSTY CONNECTIONS

Price, half-pint can

Price, pint can



D1783

PUTTY

Price, per lb.

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